#### **STATE OF UTAH** DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING

| - |   | м | 2   |
|---|---|---|-----|
|   | • | w | . 7 |

AMENDED REPORT (highlight changes)

| APPLICATION FOR PERMIT TO DRILL   |   |                  |                   |  |                 | ML-22798                                      | State   |                                   |                    |  |
|---|---|------------------|-------------------|--|-----------------|---|---|-----------------------------------|--------------------|--|
| 1A. TYPE OF WORK: DRILL Z REENTER DEEPEN D  |   |                  |                   |  |                 | 7. IF INDIAN, ALLOTTEE OR                     | TRIBE NAME:                                       |                                   |                    |  |
| B. TYPE OF WELL: OIL GAS OTHER SINGLE ZONE MULTIPLE ZONE  |   |                  |                   |  |                 |   | 8. UNIT OF CA AGREEMENT NAME: NATURAL BUTTES UNIT |                                   |                    |  |
| 2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.  |   |                  |                   |  |                 | 9. WELL NAME and NUMBE<br>STATE #1022-32      | 20  |                                   |                    |  |
| 3. ADDRESS OF C   | 3. ADDRESS OF OPERATOR: P.O. BOX 1148       |                  |                   |  |                 |   | 10. FIELD AND POOL, OR V<br>NATURAL BUTT          | ES                                |                    |  |
| 4. LOCATION OF WELL (FOOTAGES)  AT SURFACE: 629'FSL & 2037'FEL  AT PROPOSED PRODUCING ZONE:  44175747 39, 89992  431593 × -109, 46069 |   |                  |                   |  |                 | 11. QTR/QTR, SECTION, TO MERIDIAN: SWSE 32 10 |   |                                   |                    |  |
|   |   |                  | EST TOWN OR POST  | OFFICE:  |                 |   |   | 12. COUNTY:                       | 13. STATE:<br>UTAH |  |
|   |   |                  | JRAY, UTAH        |  |                 |   | 47.1  | UINTAH<br>IUMBER OF ACRES ASSIGNE | D TO THIS WELL:    |  |
| 15. DISTANCE TO 629'  | ) NEAREST PROP                              | ERTY OR LEASE LI | NE (FEET)         | 16. NUMBER OF  | ACRES IN LEA    | 640.00  | 17. N   | IUMBER OF ACRES ASSIGNE           | 40                 |  |
| 18. DISTANCE TO   | NEAREST WELL<br>ON THIS LEASE               | (DRILLING, COMPL | ETED, OR          | 19. PROPOSED   | DEPTH:          |   |   | OND DESCRIPTION:                  |                    |  |
| REFER TO  | O TOPO C                                    |                  |                   |  |                 | 8,600   |   | LB0005                            |                    |  |
| 21. ELEVATIONS 5555'GL  | ELEVATIONS (SHOW WHETHER DF, RT, SR, E1C.). |                  |                   |  | 23. 6           | STIMATED DURATION.                            |   |                                   |                    |  |
| 24.   |   |                  | PROPOSE           | D CASING AI  | ND CEMEN        | TING PROGRAM                                  |   |                                   |                    |  |
| SIZE OF HOLE  | CASING SIZE,                                | GRADE, AND WEIG  | HT PER FOOT       | SETTING DEPTH  |                 | CEMENT TYPE, QUA                              | ANTITY  | , YIELD, AND SLURRY WEIGH         | łТ                 |  |
| 12 1/4"   | 9 5/8"                                      | 32.3#            | H-40              | 250  | 110 SX          |   |   |                                   |                    |  |
| 7 7/8"  | 4 1/2"                                      | 11.6#            | J-55              | 8,600  | 1810 SX         |   |   |                                   |                    |  |
|   |   |                  |                   |  |                 |   |   |                                   |                    |  |
|   |   |                  |                   |  |                 |   |   |                                   |                    |  |
|   |   |                  |                   |  |                 |   |   |                                   | <del></del>        |  |
|   |   |                  |                   |  |                 |   |   |                                   |                    |  |
| 25.   | . ···                                       |                  |                   | ATTA   | CHMENTS         | <b>,</b>                                      |   |                                   |                    |  |
| VERIFY THE FO   | LLOWING ARE AT                              | TACHED IN ACCOR  | DANCE WITH THE UT | TAH OIL AND GAS C  | ONSERVATION     | I GENERAL RULES:                              |   |                                   |                    |  |
| <b>✓</b> WELL PL  | AT OR MAP PREF                              | PARED BY LICENSE | D SURVEYOR OR EN  | GINEER   |                 | OMPLETE DRILLING PLAN                         |   |                                   |                    |  |
| EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER  FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER   |   |                  |                   |  | THE LEASE OWNER |   |   |                                   |                    |  |
|   | CHEII                                       | _A UPCHEG        | 0                 |  |                 | REGULATOR                                     | Y AI  | NALYST                            |                    |  |
| NAME (PLEASE  | PRINTI STIER                                |                  | · la ins          |  | TIT             | 10/17/2003                                    |   |                                   |                    |  |
| SIGNATURE   | //uf  | LV GUA           | wyg s             |  | DA              | TE 10/17/2003                                 |   |                                   |                    |  |
| (This space for St  | ate use only)                               | ,                | U                 | The state of the s | An-             | noved by the                                  | ,   | RE(                               | CEIVED             |  |

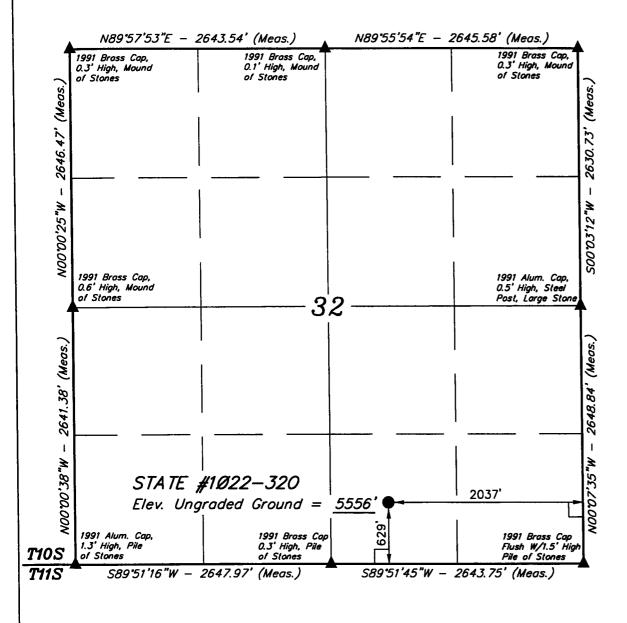
Utah Division of Off, Gas and Mining

OCT 2 8 2003

DIV. OF OIL, GAS & MINING

43047-35315

# T10S, R22E, S.L.B.&M.



#### LEGEND:

= 90° SYMBOL

PROPOSED WELL HEAD.

= SECTION CORNERS LOCATED.

(NAD 83) LATITUDE = 39.53.59.66"

(39.899906)

LONGITUDE =  $109^{27}40.82^{\circ}$  (109.461339)

### WESTPORT OIL AND GAS COMPANY, L.P.

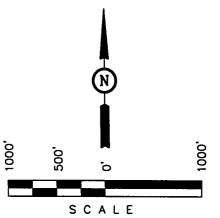
Well location, STATE #1022-320, located as shown in the SW 1/4 SE 1/4 of Section 32. T10S, R22E, S.L.B.&M. Uintah County, Utah.

#### BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

#### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



#### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDERSMY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

> REGISTERED LAND SURVEYOR REGISTRATION NO. 161319 STATE OF UTAH

#### UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST -VERNAL UTAH 84078 (435) 789-1017

| SCALE<br>1" = 1000' | DATE SURVEYED:<br>09-10-03 | DATE DRAWN:<br>09-17-03 |
|---------------------|----------------------------|-------------------------|
| K.K. B.J. D.COX     | REFERENCES<br>G.L.O. PLA   | AT                      |
| WEATHER<br>HOT      | FILE WESTPOR               | T OIL AND GAS           |

## STATE #1022-32O SW/SE Sec. 32,T10S,R22E UINTAH COUNTY, UTAH ML-22798

#### **ONSHORE ORDER NO. 1**

#### DRILLING PROGRAM

#### 1. Estimated Tops of Important Geologic Markers:

| <u>Formation</u> | <u>Deptn</u> |
|------------------|--------------|
| Uinta            | Surface      |
| Green River      | 1007'        |
| Wasatch          | 3997'        |
| Mesaverde        | 6500'        |
| TD               | 8600'        |
|                  |              |

## 2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

| Substance      | Formation Programme 1 | <u>Depth</u> |
|----------------|-----------------------|--------------|
|                | Green River           | 1007'        |
| Gas            | Wasatch               | 3997'        |
| Gas            | Mesaverde             | 6500'        |
| Water          | N/A                   |              |
| Other Minerals | N/A                   |              |

## 3. Pressure Control Equipment (Schematic Attached)

Please see the attached Drilling Program.

#### 4. Proposed Casing & Cementing Program:

Please see the attached Drilling Program

#### 5. Drilling Fluids Program:

Please see the attached Drilling Program.

#### 6. <u>Evaluation Program</u>:

Please see the attached Drilling Program.

#### 7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 8600' TD, approximately equals 3440 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1542 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

#### 8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

#### 9. Variances:

Please see the attached Drilling Program.

#### 10. Other Information:

Please see the attached Drilling Program.

## STATE #1022-32O SW/SE Sec. 32, T10S-R22E Uintah County, UT ML-22798

#### ONSHORE ORDER NO. 1

#### MULTI-POINT SURFACE USE & OPERATIONS PLAN

#### 1. Existing Roads:

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

Improvements to existing access roads shall be determined at the on-site inspection.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

#### 2. Planned Access Roads:

Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet, *unless modified at the on-site inspection*. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities shall be determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

#### 3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

#### 4. Location of Existing & Proposed Facilities:

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Refer to Topo D for the proposed pipeline.

#### 5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

#### 6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

#### 7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids. The need for a reserve pit liner will be determined at the on-site inspection.

If a plastic reinforced liner is used, it will be a minimum of 12 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

#### 8. Ancillary Facilities:

None are anticipated.

# 9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). This section is subject to modification as a result of the on-site inspection.

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

If it is determined that a pit liner will be used at the on-site inspection, the reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

#### 10. Plans for Reclamation of the Surface:

#### Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic, nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

#### Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

#### 11. Surface Ownership:

SITLA 675 East 500 South, Suite 500 Salt Lake City, UT 84102

#### 12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been completed and a copy of this report is attached.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

## 13. Lessee's or Operators's Representative & Certification:

Sheila Upchego Regulatory Analyst Westport O&G Co. L.P. P.O. Box 1148 Vernal, UT 84078 (435) 781-7024 Randy Bayne Drilling Manager Westport O&G Co. L.P. P.O. Box 1148 Vernal, UT 84078 (435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Westport O& GCo. L.P. is considered to be the operator of the subject well. Westport O& G Co. L.P agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Westport O&G Co. L.P. State Surety Bond: RLB0005.

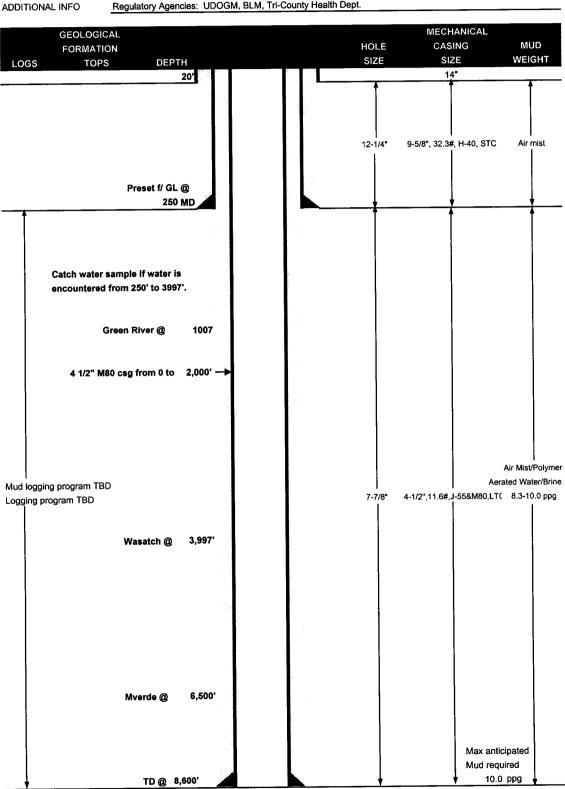
I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Multiplace 9/12/03
Sheila Uppnego Date



# Westport Oil and Gas Company, L.P. DRILLING PROGRAM

Westport Oil and Gas Co., L.P. October 9, 2003 COMPANY NAME 8,600 MD/TVD TD **STATE 1022-320** WELL NAME KB 5,570' ELEVATION 5,555' GL STATE Utah Natural Buttes **COUNTY Uintah** FIELD Straight Hole 629' FSL, 2037' FEL, SWSE, SEC. 32, T10S, R22E SURFACE LOCATION Wasatch/Mesaverde OBJECTIVE ZONE(S) Regulatory Agencies: UDOGM, BLM, Tri-County Health Dept.





# Westport Oil and Gas Company, L.P. DRILLING PROGRAM

#### CASING PROGRAM

|            |        |            |          |      |       |           | ESIGN FACT | ORS     |
|------------|--------|------------|----------|------|-------|-----------|------------|---------|
|            | SIZE   | INTERVAL   | WT.      | GR.  | CPLG. | BURST     | COLLAPSE   | TENSION |
| CONDUCTOR  | 14"    | 0-20'      |          |      |       |           |            |         |
|            |        | `          |          |      |       | 2270      | 1370       | 254000  |
| SURFACE    | 9-5/8" | 0 to 2     | 60 32.30 | H-40 | STC   | 0.88***** | 11.71      | 36.04   |
|            |        |            | İ        |      | 1     | 7780      | 6350       | 201000  |
| PRODUCTION | 4-1/2" | 0 to 20    | 00 11.60 | M-80 | LTC   | 3.02      | 6.11       | 2.31    |
|            |        |            |          | 1.   |       | 5350      | 4960       | 162000  |
| PRODUCTION | 4-1/2" | 2000 to 86 | 00 11.60 | J-55 | LTC   | 1.77      | 1.11       | 2.42    |

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Int Casing) = Pore Pressure at Next Casing Point (.22 psi/ft-partial evac gradient x TVD of next csg point)
- 3) MASP (Prod Casing) = Pore Pressure at TD (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD =

10.0 ppg

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)

MASP

2580

Burst SF is low but csg is much stronger than formation at 250'. EMW @ 250' for 2270# is 174 ppg or 9.08 psi/ft

#### CEMENT PROGRAM

|      | FT. OF FILL | DESCRIPTION  | SACKS                  | <b>EXCESS</b>  | WEIGHT   | YIELD  |
|------|-------------|--|------------------------|--|--|--|
|      | 250         | Class G + 2% CaCl2   | 110                    | 35%  | 15.80  | 1.16   |
|      |             | + 0.25 pps celloflake  |                        |  |  |  |
| LEAD | 3,490'      | Premium Lite II + 3% KCI + 0.25 pps<br>celloflake + 5 pps gilsonite + 10% gel<br>+ 0.5% extender | 380                    | 60%  | 11.00  | 3.38   |
| TAIL | 5,110'      | 50/50 Poz/G + 10% salt + 2% gel<br>+.1% R-3  | 1430                   | 60%  | 14.30  | 1.31   |
|      |             | 250<br>LEAD 3,490'   | 250 Class G + 2% CaCl2 | 250 Class G + 2% CaCl2 110 + 0.25 pps celloflake  LEAD 3,490' Premium Lite II + 3% KCl + 0.25 pps 380 celloflake + 5 pps gilsonite + 10% gel + 0.5% extender  TAIL 5,110' 50/50 Poz/G + 10% salt + 2% gel 1430 | 250 Class G + 2% CaCl2 110 35% + 0.25 pps celloflake  LEAD 3,490' Premium Lite II + 3% KCl + 0.25 pps 380 60% celloflake + 5 pps gilsonite + 10% gel + 0.5% extender  TAIL 5,110' 50/50 Poz/G + 10% salt + 2% gel 1430 60% | 250 Class G + 2% CaCl2 110 35% 15.80 + 0.25 pps celloflake  11.00 celloflake + 5 pps gilsonite + 10% gel + 0.5% extender  TAIL 5,110' 50/50 Poz/G + 10% salt + 2% gel 1430 60% 14.30 |

#### FLOAT EQUIPMENT & CENTRALIZERS

| SURFACE<br>PRODUCTION | Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe. |  |  |  |  |  |  |  |
|-----------------------|---|--|--|--|--|--|--|--|
|                       | Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow    |  |  |  |  |  |  |  |
|                       | spring centralizers.  |  |  |  |  |  |  |  |
|                       |   |  |  |  |  |  |  |  |

#### ADDITIONAL INFORMATION

|           |  |  | o 1,500 psi) prior to drilling out. Record on chart recorder &   |  |  |  |  |
|-----------|--|--|--|--|--|--|--|
| to        | tour sheet. Function test rai  | ns on each trip. Maintain safety valve & insid | e BOP on rig floor at all times. Kelly to be equipped with upper |  |  |  |  |
|           | & lower kelly valves.  |  |  |  |  |  |  |
|           | Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees. |  |  |  |  |  |  |
|           |  |  |  |  |  |  |  |
| LLING     | ENGINEER:  |  | DATE:  |  |  |  |  |
|           |  | Brad Laney                                     |  |  |  |  |  |
| RILLING S | SUPERINTENDENT:  |  | DATE:  |  |  |  |  |
|           |  |  |  |  |  |  |  |

# WESTPORT OIL AND GAS COMPANY, L.P. STATE #1Ø22-32O SECTION 32, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE BEGINNING OF THE PROPOSED ACCESS NORTHWEST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 53.3 MILES.

# WESTPORT OIL AND GAS COMPANY, L.P.

STATE #1022-320 LOCATED IN UINTAH COUNTY, UTAH **SECTION 32, T10S, R22E, S.L.B.&M.** 



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

**CAMERA ANGLE: NORTHWESTERLY** 

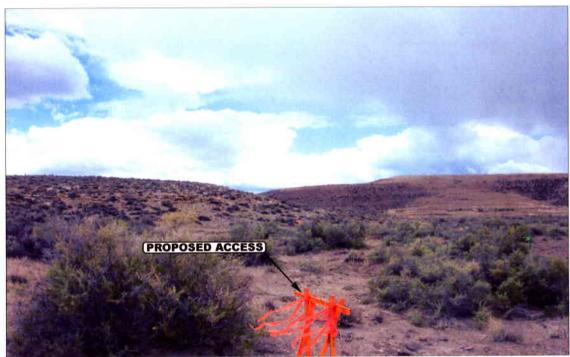


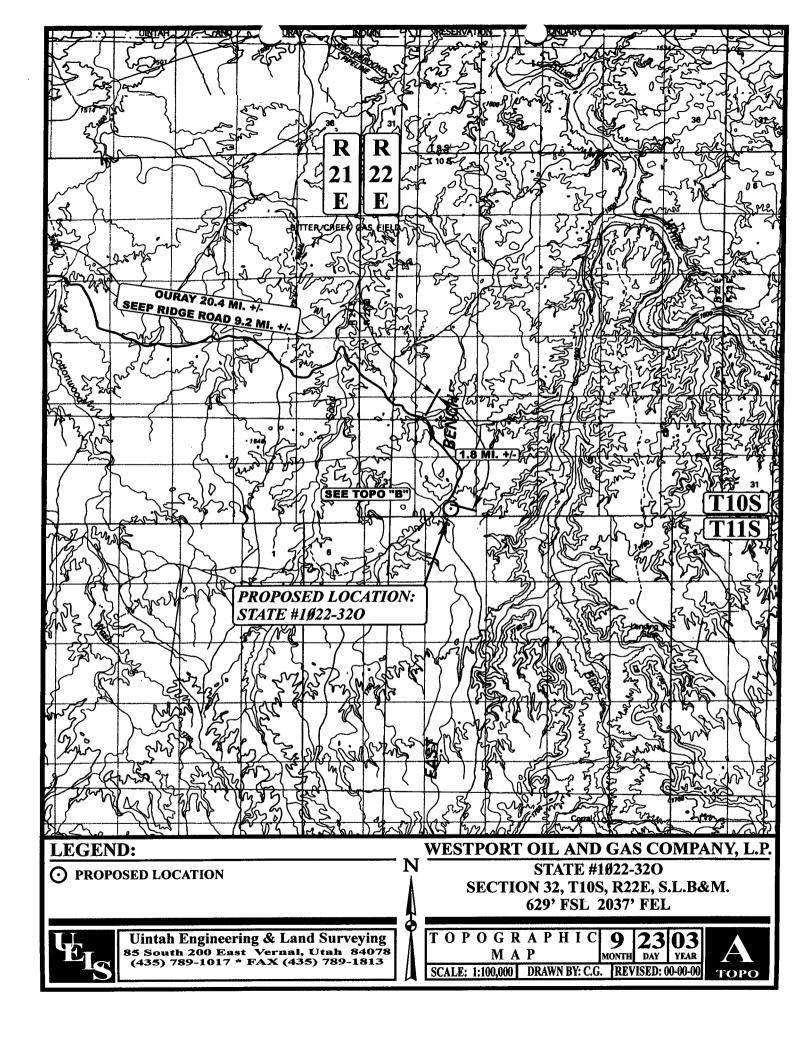
PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

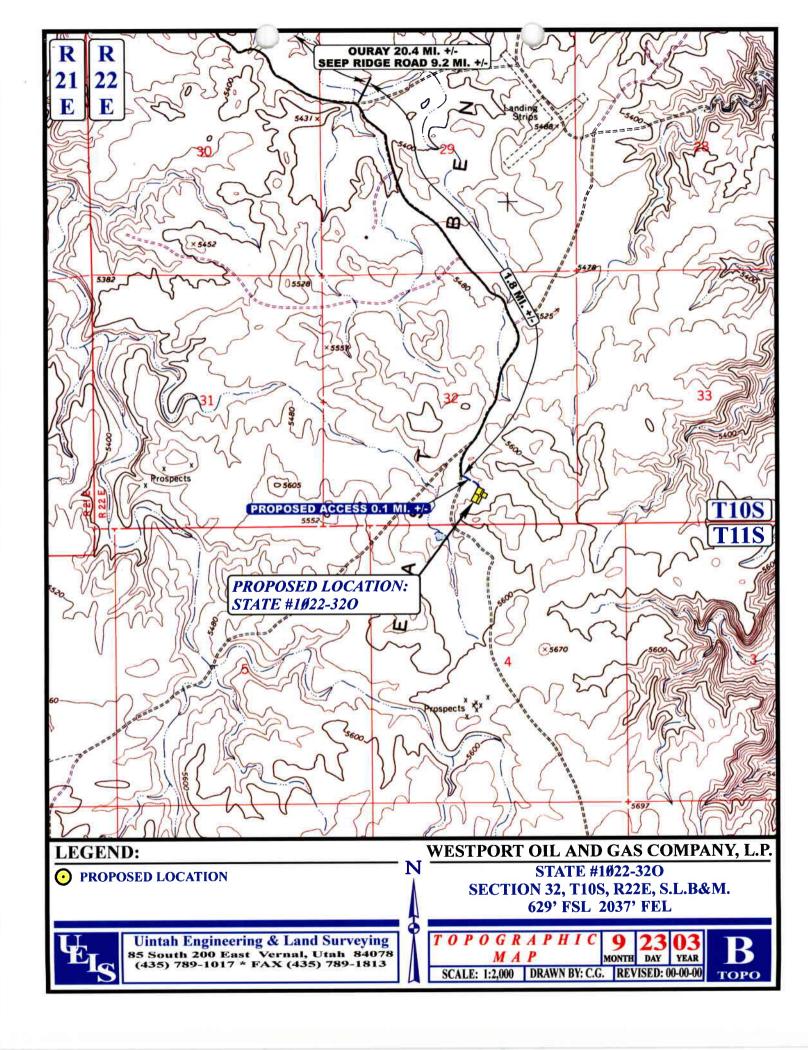
**CAMERA ANGLE: SOUTHEASTERLY** 

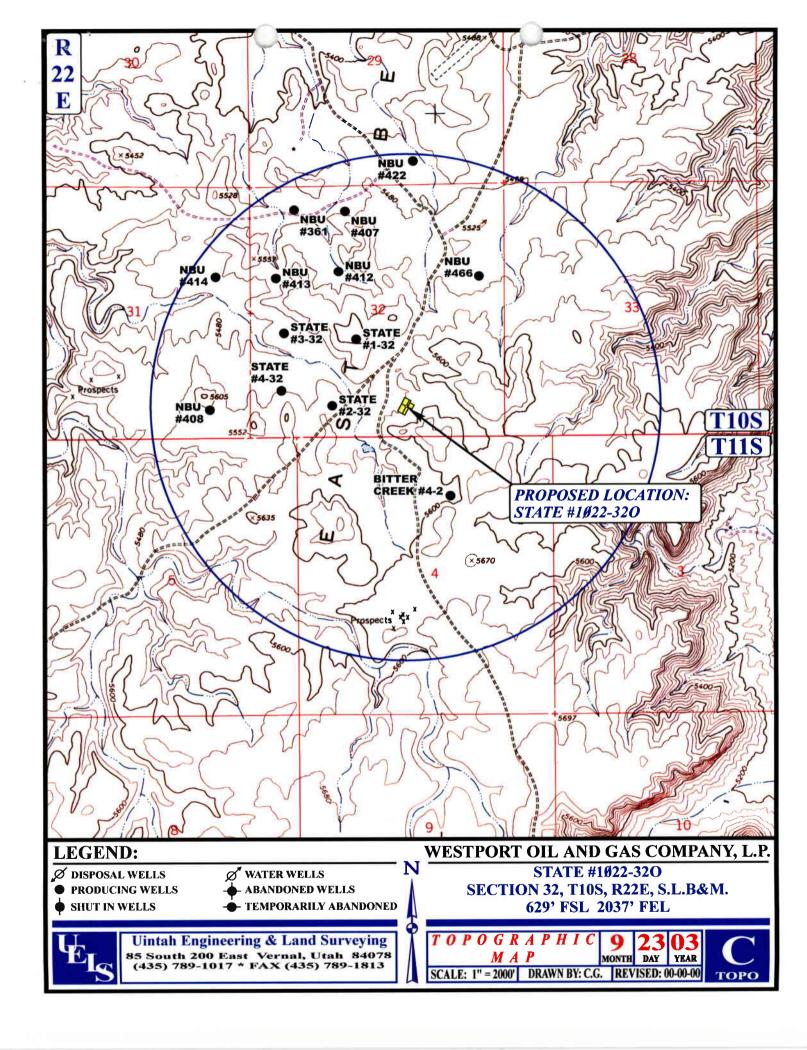


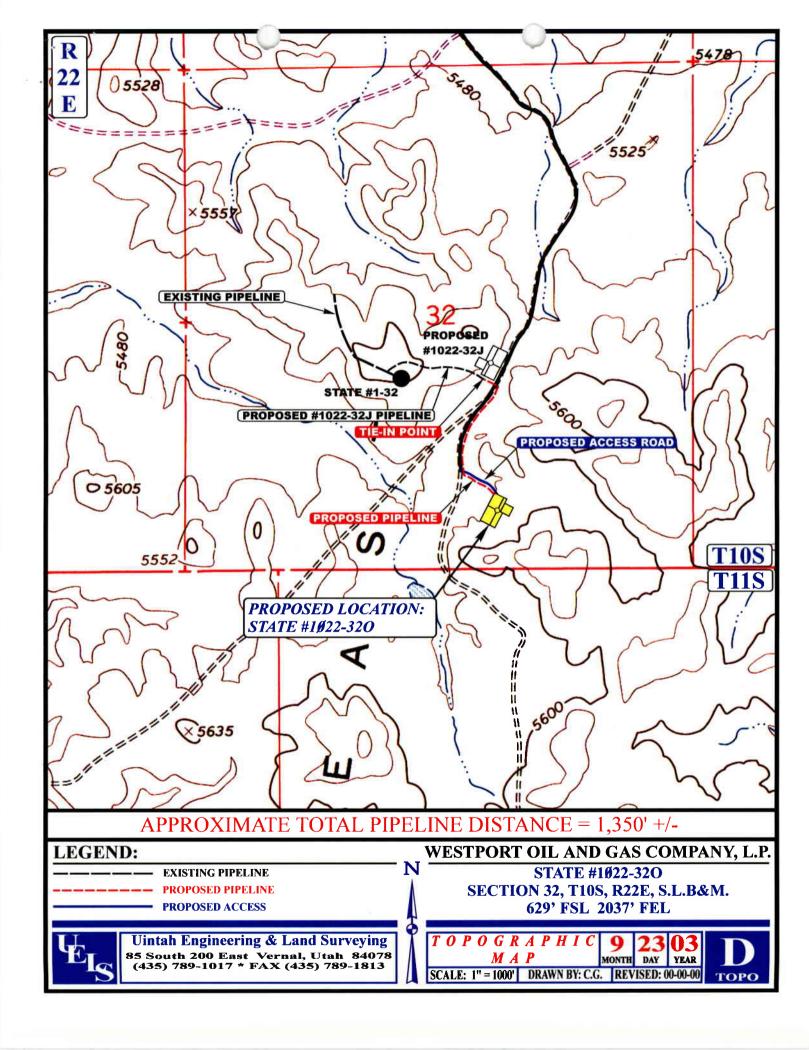
Uintah Engineering & Land Surveying S South 200 East Vernal, Utah 84078 435-789-1017 Vernal, Utah 84078 uels@uelsinc.com

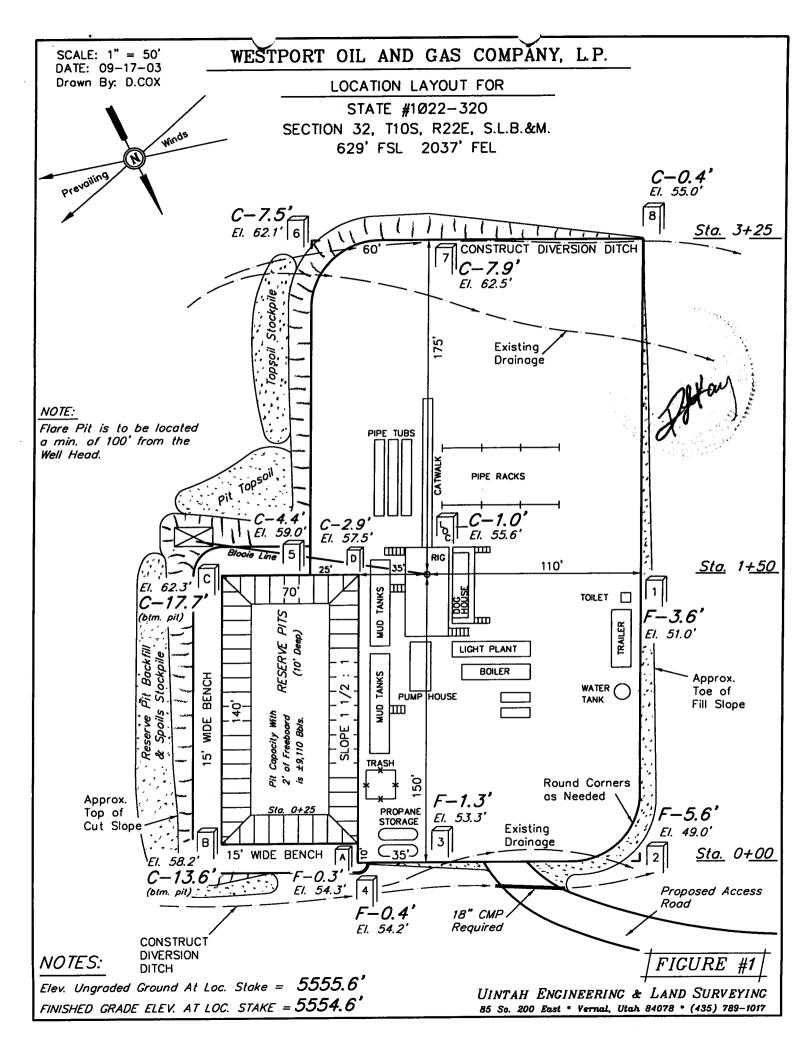
| LOCATION PHOTOS              | 9<br>MONTH | 23<br>DAY | O3<br>YEAR | рното |
|------------------------------|------------|-----------|------------|-------|
| TAKEN BY: K.K. DRAWN BY: C.O | REV        | ISED: (   | 0-00-00    |       |

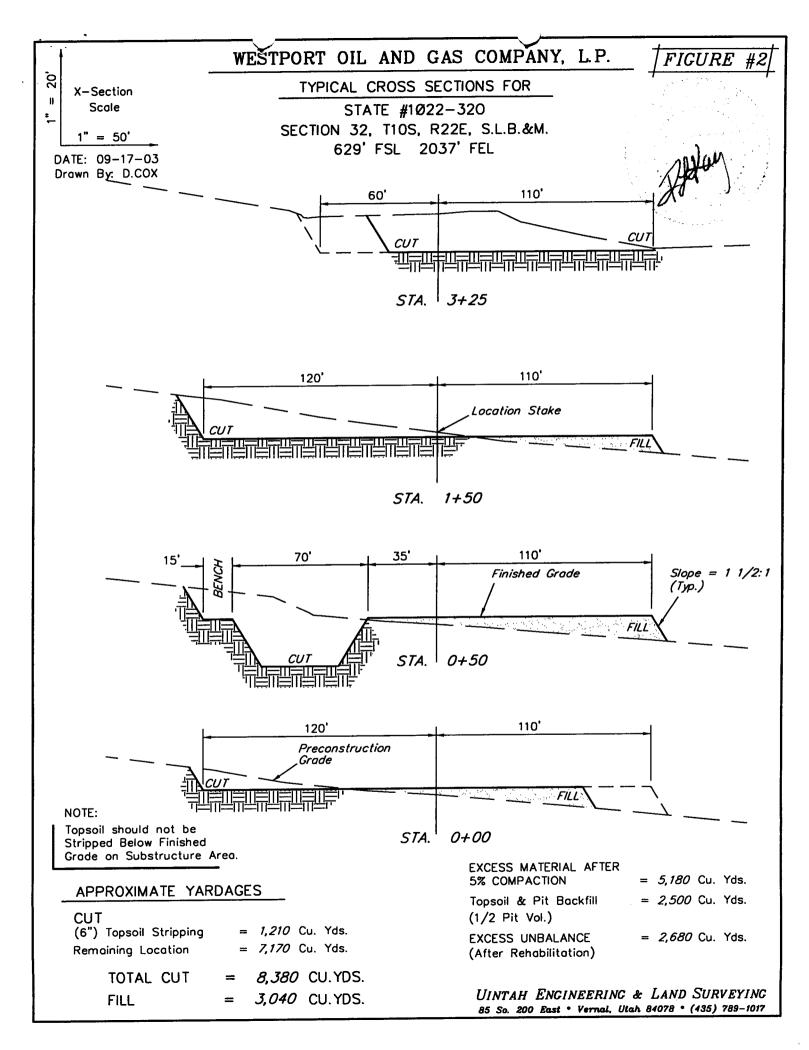




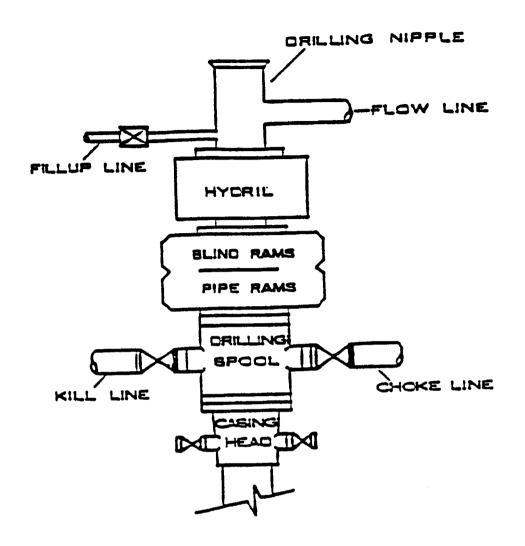


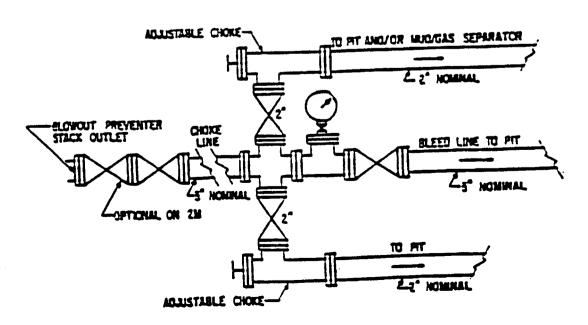






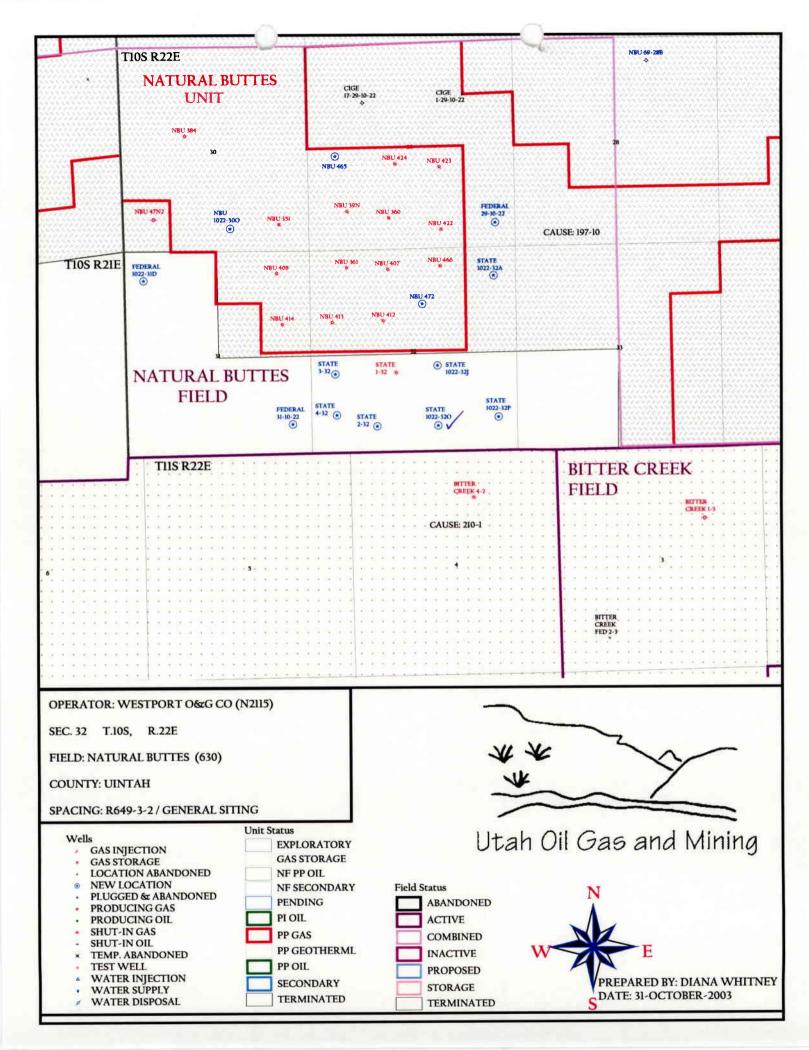
# EOP STACK





# APPLICATION FOR PERMIT TO DRILL

| APD RECEIVED: 10/28/2003  | API NO. ASSIGN                                    | ED: 43-047-353                             | 15            |
|---|---|--|---------------|
| WELL NAME: STATE 1022-320  OPERATOR: WESTPORT OIL & GAS CO ( N2115 )  CONTACT: SHEILA UPCHEGO   | PHONE NUMBER: 4                                   | 35-781-7024                                |               |
| PROPOSED LOCATION: SWSE 32 100S 220E  | INSPECT LOCATI                                    | N BY: /                                    | /             |
| SWSE 32 100S 220E<br>SURFACE: 0629 FSL 2037 FEL   | Tech Review                                       | Initials                                   | Date          |
| BOTTOM: 0629 FSL 2037 FEL  UINTAH  NATURAL BUTTES ( 630 )   | Engineering<br>Geology                            | DKD  | 11/25/03      |
| LEASE TYPE: 3 - State   | Surface   |  |               |
| LEASE TYPE: 5 State  LEASE NUMBER: ML-22798  SURFACE OWNER: 3 - State  PROPOSED FORMATION: MVRD   | LATITUDE: 39.8                                    |  |               |
| Plat  Bond: Fed[] Ind[] Sta[3] Fee[]  (No. RLB0005  Potash (Y/N)  Y Oil Shale 190-5 (B) or 190-3 or 190-13  Water Permit  (No. 43-8496  N RDCC Review (Y/N)  (Date:)  NR Fee Surf Agreement (Y/N) | R649-3-3 Drilling Un Board Caus Eff Date: Siting: | General<br>From Qtr/Qtr & 920<br>Exception | Between Wells |
| STIPULATIONS:  1-Spacing Ship  2-Oil Shale  3-Surface (asing  4. Statement of   |   |  |               |



From:

Ed Bonner

To:

Whitney, Diana

Date:

11/7/03 10:15AM

Subject:

Well Clearances

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Westport Oil & Gas

State 1022-320

NBU 1022-11F

NBU 1020-24F

NBU 1020-13E

If you have any questions regarding this matter please give me a call.

CC:

Brad Hill; Garrison, LaVonne; Hunt, Gil

# ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR: WESTPORT OIL AND GAS COMPANY, L.P.
WELL NAME & NUMBER: STATE 1022-320
API NUMBER: 43-047-35315

LEASE: ML-22798 FIELD/UNIT: NATURAL BUTTES

LOCATION: 1/4,1/4 SW/SE Sec: 32 TWP: 10S RNG: 22E 2037' FEL 629' FSL LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM): 631597E 4417579N SURFACE OWNER: STATE OF UTAH

#### **PARTICIPANTS**

DAVID W. HACKFORD (DOGM), FLOYD BARTLETT (DWR), CARROLL ESTES, CLAY EINERSON, CARROLL WILSON, DEBRA DOMENICI (WESTPORT), DAVID WESTON (UELS).

#### REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS IN A SHALLOW BOWL WITH LOW RIDGES 150' TO THE NORTH, 300' TO THE EAST AND 400' TO THE SOUTH. DRAINAGE IS TO THE WEST AT THIS SITE BUT EVENTUALLY TO THE NORTHEAST TO THE WHITE RIVER WHICH IS FIVE MILES AWAY. BITTER CREEK IS 1.5 MILES TO THE EAST. OURAY, UTAH IS 31.5 MILES TO THE NORTHWEST.

#### SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 325' BY 215', ACCESS ROAD WILL BE 0.1 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

#### WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

#### ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: SAGE, GREASEWOOD, HORSEBRUSH, PRICKLY PEAR, SHADSCALE, CHEATGRASS: PRONGHORN, RODENTS, SONGBIRDS, RAPTORS, COYOTE, RABBITS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: <u>VERY LITTLE NATURAL EROSION.</u>
<u>SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION</u>
SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

#### RESERVE PIT

CHARACTERISTICS: 140' BY 70' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A LINER WILL NOT BE REQUIRED FOR RESERVE PIT.

#### SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: <u>SITE WAS INSPECTED BY MONTGOMERY ARCHEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.</u>

#### OTHER OBSERVATIONS/COMMENTS

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A COOL, RAINY DAY.

#### **ATTACHMENTS**

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD DOGM REPRESENTATIVE

11/13/03, 11:00 AM DATE/TIME

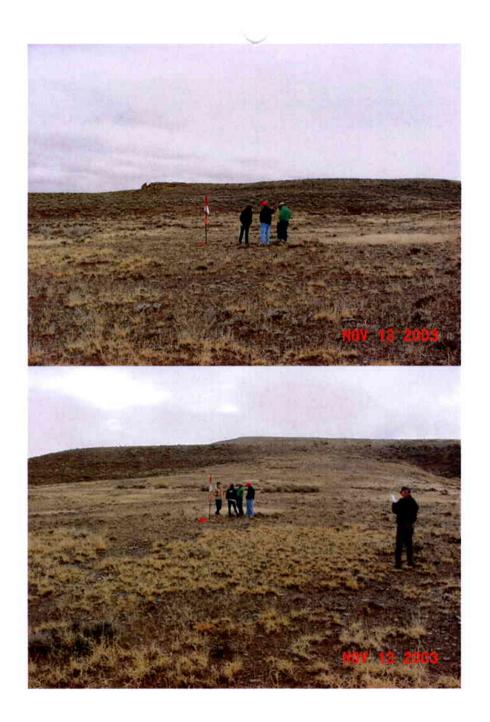
#### Evaluation Ranking Criteria and Ranking Score For Reserve and Onsite Pit Liner Requirements

| TOT NOBOLVE UND   | Morce Lic Diner | Nedati emeric B |
|---|-----------------|-----------------|
| Site-Specific Factors   | Ranking         | Site Ranking    |
| Distance to Groundwater (feet)                                    |                 |                 |
| >200  | 0               |                 |
| 100 to 200  | 5               |                 |
| 75 to 100   | 10              |                 |
| 25 to 75  | 15              | _               |
| <25 or recharge area  | 20              | 0               |
| Distance to Surf. Water (feet)                                    |                 |                 |
| >1000   | 0               |                 |
| 300 to 1000   | 2               |                 |
| 200 to 300  | 10              |                 |
| 100 to 200 < 100  | 15<br>20        | 0               |
| < 100   | 20              | 0               |
| Distance to Nearest Municipal                                     |                 |                 |
| Well (feet)   |                 |                 |
| >5280   | 0<br>5          |                 |
| 1320 to 5280<br>500 to 1320                                       | 5<br>10         |                 |
| <500  | 20              | 0               |
| 1300  | 20              |                 |
| Distance to Other Wells (feet)                                    |                 |                 |
| >1320   | 0               |                 |
| 300 to 1320<br><300   | 10              | 2               |
| <300  | 20              | 0               |
| Native Soil Type  |                 |                 |
| Low permeability  | 0               |                 |
| Mod. permeability   | 10              |                 |
| High permeability   | 20              | <u>10</u>       |
| Fluid Type  |                 |                 |
| Air/mist  | 0               |                 |
| Fresh Water   | 5               |                 |
| TDS >5000 and <10000  | 10              |                 |
| TDS >10000 or Oil Base Mud Fluid containing significant levels of | 15              |                 |
| hazardous constituents  | 20              | 5               |
|   |                 |                 |
| Drill Cuttings  | •               |                 |
| Normal Rock<br>Salt or detrimental                                | 0<br>10         | 9               |
| Sait of declimental   | 10              | 0               |
| Annual Precipitation (inches)                                     |                 |                 |
| <10   | 0               |                 |
| 10 to 20  | 5               | 2               |
| >20   | 10              | 0               |
| Affected Populations  |                 |                 |
| <10   | 0               |                 |
| 10 to 30  | 6               |                 |
| 30 to 50  | 8               | 2               |
| >50   | 10              | 0               |
| Presence of Nearby Utility  |                 |                 |
| Conduits  |                 |                 |
| Not Present   | 0               |                 |
| Unknown   | 10              | _               |
| Present   | 15              | 0               |
|   |                 |                 |

Final Score \_\_\_\_15 (Level 2I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.





# DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

| OPERATOR:                        | WESTPORT OIL               | <u>AND GAS CON</u>           | <u>APANY, L.P.</u>                  |                |
|----------------------------------|----------------------------|------------------------------|-------------------------------------|----------------|
| WELL NAME & NUMBER               | : STATE 1022-320           | )                            |                                     |                |
| API NUMBER:                      | 43-047-35315               |                              |                                     |                |
| LOCATION: 1/4,1/4 SW/SE          |                            | G: <u>22E</u> <u>2037'</u> F | EL <u>629'</u> FSL                  |                |
|                                  | <del></del>                |                              |                                     |                |
| <b>Geology/Ground Water:</b>     |                            |                              |                                     |                |
|                                  |                            |                              |                                     | 1.             |
|                                  |                            |                              | pth to the base of the moderately   |                |
|                                  |                            |                              | Division of Water Rights records    |                |
|                                  |                            |                              | n 32. The surface formation at th   |                |
|                                  |                            |                              | d shales and sandstones. The sand   | <u>istones</u> |
| are mostly lenticular and disco  | ontinuous and should not   | be a significant s           | ource of useable ground water.      | _              |
| <del></del>                      |                            | <u>he base of the mo</u>     | oderately saline groundwater in or  | der to         |
| isolate it from fresher waters u | <u>iphole.</u>             |                              |                                     |                |
|                                  |                            |                              |                                     |                |
| Reviewer:                        | Brad Hill                  | Date:                        | 11/19/03                            |                |
|                                  |                            |                              |                                     |                |
| Surface:                         |                            |                              |                                     |                |
|                                  |                            |                              |                                     | D              |
|                                  |                            |                              | Floyd Bartlett with DWR and Ed      |                |
|                                  |                            |                              | as present. He had no concerns re   |                |
|                                  |                            |                              | on State surface, with State miner  |                |
|                                  |                            |                              | CMP will be used under the acce     |                |
|                                  | all, shallow drainage cros | sing site will be re         | e-routed around the southwest corne | er of the      |
| location.                        |                            |                              |                                     |                |
|                                  |                            |                              |                                     |                |
| Reviewer: <u>Da</u>              | avid W. Hackford           | Date: <u>1</u>               | 1/14/2003                           |                |
|                                  |                            |                              |                                     |                |
|                                  |                            |                              |                                     |                |
| Conditions of Approval/App       | olication for Permit to D  | rill:                        |                                     |                |

None.

Well name:

11-03 Westport State 1022-320

Operator:

**Westport Oil and Gas** 

String type:

Surface

Project ID:

43-047-35315

Location:

**Uintah County** 

Minimum design factors: **Environment:** 

1.00

1.50 (J)

<u>Collapse</u>

Design parameters:

Mud weight: 8.300 ppg Design is based on evacuated pipe.

Collapse:

Design factor 1.125 H2S considered?

No 75 °F Surface temperature: 78 °F Bottom hole temperature:

1.40 °F/100ft Temperature gradient: Minimum section length: 250 ft

**Burst:** 

Design factor

Cement top:

45 ft

**Burst** 

Max anticipated surface

No backup mud specified.

220 psi pressure: 0.120 psi/ft Internal gradient: Calculated BHP

250 psi

**Tension:** 

1.80 (J) 8 Round STC: 8 Round LTC: 1.80 (J) 1.60 (J)

**Buttress:** Premium:

1.50 (B) Body yield:

Tension is based on buoyed weight. Neutral point: 220 ft

Re subsequent strings:

Non-directional string.

Next setting depth: Next mud weight: Next setting BHP:

8.600 ft 10.000 ppg 4,468 psi 19.250 ppg

Fracture mud wt: Fracture depth: Injection pressure

250 ft 250 psi

| Run<br>Seq | Segment<br>Length<br>(ft) | Size<br>(in)                  | Nominal<br>Weight<br>(lbs/ft) | Grade                  | End<br>Finish              | True Vert<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Drift<br>Diameter<br>(in)     | Internal<br>Capacity<br>(ft³) |
|------------|---------------------------|-------------------------------|-------------------------------|------------------------|----------------------------|----------------------------|---------------------------|-------------------------------|-------------------------------|
| 1          | 250                       | 9.625                         | 32.30                         | H-40                   | ST&C                       | 250                        | 250                       | 8.876                         | 15.8                          |
| Run<br>Seq | Collapse<br>Load<br>(psi) | Collapse<br>Strength<br>(psi) | Collapse<br>Design<br>Factor  | Burst<br>Load<br>(psi) | Burst<br>Strength<br>(psi) | Burst<br>Design<br>Factor  | Tension<br>Load<br>(Kips) | Tension<br>Strength<br>(Kips) | Tension Design Factor         |
| 1          | 108                       | 1370                          | 12.710                        | 250                    | 2270                       | 9.08                       | 7                         | 254                           | 35.82 J                       |

Prepared

by:

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 801-359-3940

Date: November 20,2003 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 250 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

11-03 Westport State 1022-320

Operator:

**Westport Oil and Gas** 

String type:

Production

Project ID:

43-047-35315

Location:

**Uintah County** 

Minimum design factors: **Environment:** 

Collapse

Mud weight:

Design parameters:

10.000 ppg

Design is based on evacuated pipe.

Collapse: Design factor 1.125

H2S considered? No Surface temperature:

75 °F 195 °F

Bottom hole temperature: Temperature gradient:

1.40 °F/100ft

Minimum section length: 1,500 ft

Burst: Design factor

1.00

Cement top:

0 ft

**Burst** 

Max anticipated surface

No backup mud specified.

pressure: Internal gradient: Calculated BHP

3,436 psi

0.120 psi/ft 4,468 psi

Tension:

8 Round STC: 8 Round LTC:

1.80 (J) 1.80 (J) 1.60 (J) **Buttress:** 

Premium: Body yield: 1.50 (J) 1.50 (B)

Tension is based on buoyed weight. Neutral point: 7.314 ft

Non-directional string

| Run<br>Seq | Segment<br>Length<br>(ft) | Size<br>(in)                  | Nominal<br>Weight<br>(Ibs/ft) | Grade                  | End<br>Finish              | True Vert<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Drift<br>Diameter<br>(in)     | Internal<br>Capacity<br>(ft³) |
|------------|---------------------------|-------------------------------|-------------------------------|------------------------|----------------------------|----------------------------|---------------------------|-------------------------------|-------------------------------|
| 2          | 2000                      | 4.5                           | 11.60                         | M-80                   | LT&C                       | 2000                       | 2000                      | 3.875                         | 46.4                          |
| 1          | 6600                      | 4.5                           | 11.60                         | J-55                   | LT&C                       | 8600                       | 8600                      | 3.875                         | 153                           |
| Run<br>Seq | Collapse<br>Load<br>(psi) | Collapse<br>Strength<br>(psi) | Collapse<br>Design<br>Factor  | Burst<br>Load<br>(psi) | Burst<br>Strength<br>(psi) | Burst<br>Design<br>Factor  | Tension<br>Load<br>(Kips) | Tension<br>Strength<br>(Kips) | Tension<br>Design<br>Factor   |
| 2          | 1039                      | 5811                          | 5.593                         | 3676                   | 7780                       | 2.12                       | 85                        | 267                           | 3.15 B                        |
| 1          | 4468                      | 4960                          | (1.176)<br>G.K.               | 4468                   | 5350                       | 1.20                       | 62                        | 162                           | 2.63 J                        |

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 801-359-3940

Date: November 20,2003 Salt Lake City, Utah

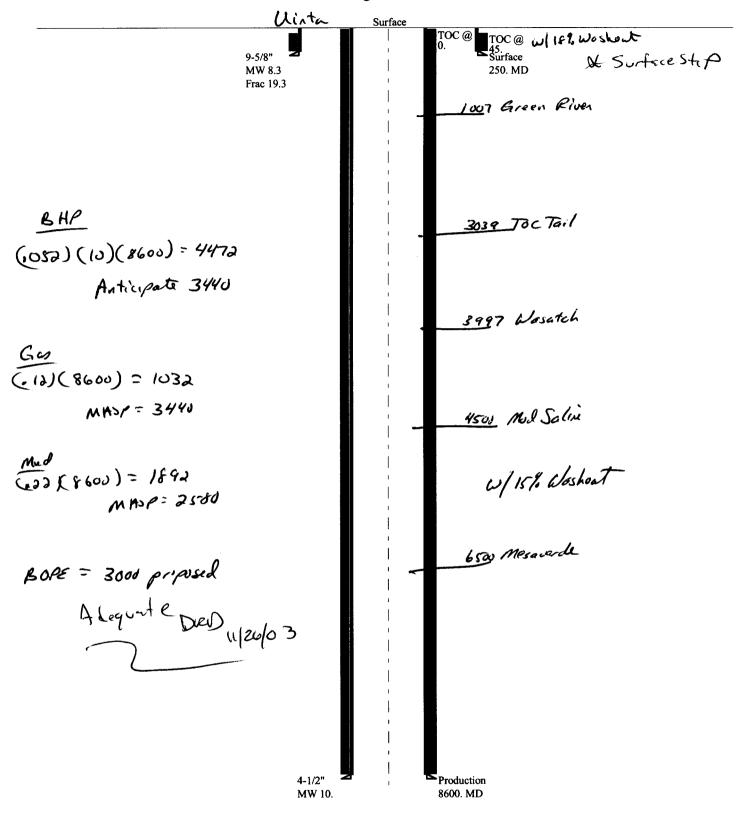
Remarks:

Collapse is based on a vertical depth of 8600 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

# 

**Casing Schematic** 





Michael O. Leavitt
Governor
Robert L. Morgan
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 (801) 538-5340 telephone (801) 359-3940 fax (801) 538-7223 TTY www.nr.utah.gov

November 25, 2003

Westport Oil & Gas Company L. P. P O Box 1148 Vernal, UT 84078

Re:

State 1022-320 Well, 629' FSL, 2037' FEL, SW SE, Sec. 32, T. 10 South, R. 22 East,

Uintah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35315.

Sincerely,

John R. Baza

Associate Director

pab Enclosures

cc:

**Uintah County Assessor** 

**SITLA** 



| Operator:          | Westport Oil & Gas Company L. P. |
|--------------------|----------------------------------|
| Well Name & Number | State 1022-32O                   |
| API Number:        | 43-047-35315                     |
| Lease:             | ML-22798                         |
|                    |                                  |

 Location:
 SW SE
 Sec. 32
 T. 10 South
 R. 22 East

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

#### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

Page 2 Conditions of Approval API #43-047-35315 November 25, 2003

- 6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
- 7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
- 8. Surface casing shall be cemented to the surface.

# **DIVISION OF OIL, GAS AND MINING**

## **SPUDDING INFORMATION**

| Name of Company:      | WESTPOR      | RT OIL & GAS C | OMPANY LI     |  |
|-----------------------|--------------|----------------|---------------|--|
| Well Name:            | STATE 102    | 22-32O         |               |  |
| Api No: 43-047-3531   | 15           | Lease Type:    | STATE         |  |
| Section 32 Township   | 10S Range    | 22E County_    | UINTAH        |  |
| Drilling Contractor   | PETE MARTIN  | N RI           | G# <u>AIR</u> |  |
| SPUDDED:              |              |                |               |  |
| Date                  | 04/03/04     |                |               |  |
| Time                  |              |                |               |  |
| How                   | ROTARY       |                |               |  |
| Drilling will commend | ce:          |                |               |  |
| Reported by           | JIM MURRA    | AY             |               |  |
| Telephone #           | 1-435-828-09 | 82             |               |  |
| Date 04/07/2004       | Signed       | СНД            |               |  |

<u>=</u>

APR-08-2004 THU 02:54 PM EL PASO PRODUCTION

| STATE OF UTAH                   |
|---------------------------------|
| DIVISION OF DIL, GAS AND MINING |
| ENTITY ACTION FORM-FORM6        |
|                                 |

| OPERATOR | WESTPORT O&G COMPANY L.P |
|----------|--------------------------|
| ADDRESS  | 1368 SOUTH 1200 EAST     |
|          | VERNAL, UTAH 84078       |

| OPERATOR ACCT, NO. N 2115 | ERATOR ACCT. NO. N 2 | 2115 |
|---------------------------|----------------------|------|
|---------------------------|----------------------|------|

| ACTION      | A 100 0 51 100            |   | <del></del>              |                                 |            |           |             | -        |                |                |                  |
|-------------|---------------------------|---|--------------------------|---------------------------------|------------|-----------|-------------|----------|----------------|----------------|------------------|
| ACTION      | CURRENT                   | NEW                                     | API NUMBER               | WELL NAME                       |            |           | WELL LO     | OCATION  |                | SPUD           | EFFECTIVE        |
| CODE        | ENTITY NO.                | ENTITY NO.                              |                          |                                 | QQ         | SC        | TP          | RG       | COUNTY         | DATE           | DATE             |
| A           | 99999                     | 14114                                   | 43-047-35315             | STATE 1022-32O                  | gwar       | - 22      |             | 207      |                |                | Market           |
| WELL 1 C    | OMMENTS:                  | II. I. | <del></del>              |                                 | SWSE       | 32        | 108         | 22E      | HATKIU         | 4/5/2004       | 4/8/04           |
|             | LL MARTIN J               | ב#במום פים                              | mi                       | PB .                            |            |           |             |          |                |                | ′′′              |
|             |                           | ON ON 4/5/04                            | • •                      | _                               |            |           |             |          |                |                |                  |
| ACTION      | CURRENT                   | NEW NEW                                 | APINUMBER                | WELL NAME                       |            |           | MAT 1 1 1 1 | 204      |                |                |                  |
| CODE        | ENTITY NO.                | ENTITY NO.                              | ACTIONIDEN               | MCLL WAME                       | QQ T       | SC        | WELL LO     | CATION   | 20111-01       | SPUD           | EFFECTIVE        |
|             |                           |   |                          |                                 | 144        |           |             | RG       | COUNTY         | DATE           | DATE             |
| H           | 99999                     | 14115                                   | 43-047-34736             | ANKERPONT 35-224                | wzwĸ       | 35        | 88          | 21E      | UINTAH         | 4/5/2004       | 4/8/04           |
|             | OMMENTS:                  | -                                       | WICTA                    |                                 |            |           | L           |          |                |                | T , , , , ,      |
|             | LL MARTIN J               |   | WSTC                     |                                 |            |           |             |          |                |                | į                |
| SPUD W      | BLL LOCATIO               | ON 4/5/04                               | AT 11 AM                 |                                 |            |           |             |          |                |                | j                |
| ACTION      | CURRENT                   | NEW                                     | API NUMBER               | WELL NAME                       | Т          |           | WELLIG      | CATION   |                | SPUD           | EFFECTIVE        |
| CODE        | ENTITY NO.                | ENTITY NO.                              |                          |                                 | 90         | SC        | IP          | RG       | COUNTY         | DATE           | DATE             |
| 0           |                           |   | T                        |                                 |            |           | T           | · · · ·  | 2201111        |                | UNIE             |
| <u>B</u>    | 99999                     | 2900                                    | 43-047-35339             | NBU 1022-30E                    | SWNW       | 30        | 10S         | 22E      | UINTAH         | 4/6/2004       | 4/8/04           |
|             | OMMENTS:                  |   | muro -                   |                                 |            |           |             | •        |                |                |                  |
|             | LL MARTIN F               | UO#3                                    | • • •                    |                                 |            |           |             |          |                |                |                  |
|             |                           | N ON 4/6/04                             |                          |                                 |            |           |             |          |                |                |                  |
| ACTION CODE | CURRENT                   | NEW                                     | API NUMBER               | WELL NAME                       |            |           | WELL LC     | CATION   |                | SPUO           | EFFECTIVE        |
| - wie       | ENTITY NO.                | ENTITY NO.                              |                          |                                 | 00         | SC        | ΤP          | RG       | COUNTY         | DATE           | DATE             |
|             |                           |   |                          |                                 |            |           |             |          |                |                |                  |
| MELL 4 CV   | DMMENTS:                  |   |                          |                                 |            |           |             |          |                |                | ]                |
| TELL 4 CC   | MMEN 19:                  |   |                          |                                 |            |           |             |          |                |                |                  |
|             |                           |   |                          |                                 |            |           |             |          |                |                | 1                |
| ACTION      | CURRENT                   | NEW                                     | ACI INCIANCE T           |                                 |            |           |             |          |                |                | ľ                |
| CODE        | ENTITY NO.                | ENTITY NO.                              | APINUMBER                | WELL NAME                       | <b>—</b>   |           | WELL        |          |                | SPUD           | EFFECTIVE        |
| )****       | Estati i (so.             | 121411111140.                           |                          |                                 | 00         | SC        | TP          | RG       | COUNTY         | DATE           | DATE             |
|             | f                         |   |                          |                                 | i I        |           |             |          |                |                | 1                |
| WELL 5 CC   | DIMMENTS:                 |   |                          |                                 |            |           |             | Ļ        |                |                |                  |
| , LLL 5 OC  | ANTICLY I G.              |   |                          |                                 |            |           |             |          |                |                |                  |
|             |                           |   |                          |                                 |            |           |             |          |                |                | i                |
| OTION OF    | 2000 (0                   |   |                          |                                 |            |           |             |          |                | _              |                  |
|             |                           | ructions on back                        |                          | Post-it* Fax Note 7671          | ate        | # of page |             | ¬        | 1 7            |                |                  |
| A-E         | stablish new en           | fly for new well (                      | single well anly)        |                                 |            |           |             | _   _ /  | 14/1/2         | ten h          | امدوع            |
| B - A       | Add new well to e         | existing enlity (gr                     | oup or unit well)        | TO BRIGHT RUSSELL FO            | SHOIL      | 4 UPC     | HEGO        | ز ا      | Signature      | Some of the    | 70               |
| C-F         | <b>Re-assign well fro</b> | om one existing a                       | entity to another exis   | Co.Dept. UTDOGM                 | WESTPORE   | - 0, 1 4  | 14. A. 1    | 7        | - <del> </del> | -              |                  |
| D-F         | Re-assign welf fro        | om one existing e                       | entity to a new entity   | Phone #On! (2 30 Communication) | Non MA     | 011 4 5   | as COL      | <u> </u> | DECLIE ATORS   | 7 A 31 A 7 WOT | 04/00/04         |
| £-0         | Other (explain in a       | comments sectio                         | n)                       | 1001) 938 5336 P                | ione (435) | 781-70.   | 24          |          | REGULATORY     | MALIST         | 04/08/04<br>Data |
| IOTE: Use   | COMMENT                   | w niekrya ni nnitr                      | hy each Action Code      | Fax # (801) 354-3940 Fa         | ×4485)     | 101-70    | 94          | ┑ '      |                |                | Date             |
| \$/89)      |                           | to tarbidal H                           | PIT COURT PROUDING COURT | RECEIVED                        |            | 70/- 70   | • 7         |          | <i></i>        |                |                  |
| anal        |                           |   |                          | HECEIVED                        |            |           |             | F        | Phone No.      | (435) 78       | 31-7024          |
|             |                           |   |                          |                                 |            |           |             |          |                |                |                  |

APR 0 8 2004

DEPARTMEN DIVISION

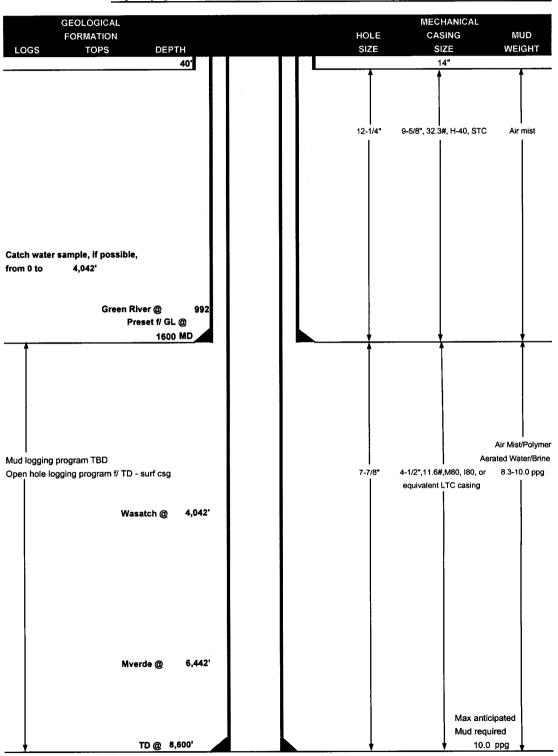
| STATE OF UTAN            |  |
|--------------------------|--|
| NT OF NATURAL RESOURCES  |  |
| I OF OIL, GAS AND MINING | 6. Lease Designation and Serial Number |
|                          | MI -22798                              |

|  | <del> </del>   |  | TVIL-ZZ170                          |
|--|--|--|-------------------------------------|
| SUNDRY NOTICES AND REPORTS ON  | IMELLS   | 7. Indian Allotte  | ee or Tribe Name                    |
| Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter p  |  | 8. Unit or Com   | munitization Agreement              |
| Use APPLICATION FOR PERMIT for such proposals  | naggod and abandonou from  |  | <b>9</b>                            |
| Type of Well   |  | 9. Well Name a   | and Number                          |
| Oil Gas Other (specify)  |  | C/TC A   | TE 1022 220                         |
| VVeii - vveii -  |  | 10. API Well Nu  | TE 1022-32O                         |
| 2. Name of Operator WESTPORT OIL & GAS COMPANY L.P.  |  |  | 3-047-35315                         |
| 3. Address of Operator   | 4. Telephone Number  | 11. Field and P  |                                     |
| 1368 SOUTH 1200 EAST VERNAL, UTAH 84078  | (435) 781-7024   |  | URAL BUTTES                         |
| 5. Location of Well  |  | I  | h 1"                                |
| Footage : 629'FSL & 2037'FEL   | County :   | UINTAH   |                                     |
| QQ, Sec, T., R., M : SWSE SECTION 32-T10S-R22E   | State :  | UTAH   |                                     |
| 12. CHECK APPROPRIATE BOXES TO INDICATE  | NATURE OF NOTICE   | , REPORT, OI   | R OTHER DATA                        |
| NOTICE OF INTENT   | SUI  | BSEQUENT RE  | PORT                                |
| (Submit in Duplicate)  | (Sui   | bmit Original Form   | Only)                               |
| Abandonment New Construction   | Abandonment  | *  | New Construction                    |
| Casing Repair Pull or Alter Casing   | Casing Repair  |  | Pull or Alter Casing                |
| Change of Plans Recompletion   | Change of Pla  | ns   | Shoot or Acidize                    |
| Conversion to Injection Shoot or Acidize   | Conversion to  | Injection  | Vent or Flare                       |
| Fracture Treat Vent or Flare   | Fracture Treat   | · ·  | Water Shut-Off                      |
| Multiple Completion Water Shut-Off   | Other  | <u> </u>   |                                     |
|  |  |  |                                     |
| X Other REVISED TD & SURFACE CSG   | Date of Work Completion  |  |                                     |
| Approximate Date Work Will Start IMMEDIATE   | Date of Work Completion  |  |                                     |
| Approximate Bate Work Will Guart   | Report results of Multiple   | Completions and Re   | completions to different reservoirs |
|  | on WELL COMPLETION   |  |                                     |
|  | * Must be accompan   |  |                                     |
| <ol> <li>DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinologations and measured and true vertical depths for all markers and zones pertine)</li> </ol> |  | dates. If well is direct   |                                     |
| locations and measured and tractional departs for all markets and zeroes possible  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,  |  | RECEIVED                            |
| THE OPERATOR REQUESTS AUTHORIZATION TO CHANGI  | E THE SURFACE CSG  | FROM 250',   |                                     |
| AND SET A DEEPER SURFACE CSG TO 1600'.   |  |  | APR 1 2 2004                        |
| DATE OF REPER TO THE ATTENDED DRIVE INC DROCK AND  |  | _  | DIV. OF OIL, GAS & MINING           |
| PLEASE REFER TO THE ATTACHED DRILLING PROGRAM.   |  | E  | NV. OF OIL, and a min               |
|  | grade en production de la constant d | Property of the Control of the Contr |                                     |
|  |  |  |                                     |
|  | COPY SENT TO C   | oferator<br>7- av  |                                     |
|  | iniicis.   | 40   |                                     |
|  |  | *  |                                     |
|  |  | i silonaanisto en  |                                     |
| 14. I hereby certify that the foregoing is true and correct.   |  |  |                                     |
| 1 - 1 = 1  |  |  | - 04/05/04                          |
| Name & Signature Sheila Upchego  | Title Regu   | ılatory Analyst  | Date <u>04/06/04</u>                |
| (State Use Only) TAH DIVISION OF   |  |  |                                     |
| GAS. AND MINING  |  |  |                                     |
| - H (5/0×1   | 10 May 1 May 1   |  |                                     |
| DARBU  |  |  |                                     |
| Y See Engineering Stops  | on Reverse Side  |  |                                     |
| x dec province of  |  |  |                                     |



# Westport Oil and Gas Company, L.P. DRILLING PROGRAM

| COMPAN  | Y NAME        | Westport Oil and Gas Co | o., L.P.           | DATE     | April 2, 2     | 004               |     |               |
|---------|---------------|-------------------------|--------------------|----------|----------------|-------------------|-----|---------------|
| WELL NA | AME 3         | STATE 1022-32O          |                    | TD       | 8,600'         | MD/TVD            |     |               |
| FIELD   | Natural Butte | s COUNTY I              | Uintah STATE       | Utah     | ELEVATION      | 5,555' GL         | K   | 3 5,570'      |
| SURFAC  | E LOCATION    | 629' FSL, 2037' FEL,    | SWSE, SEC. 32, T10 | S, R22E  |                |                   | BHL | Straight Hole |
|         |               | Lat (39.899906) Long    | g (109.461339)     |          |                |                   |     |               |
| OBJECT  | IVE ZONE(S)   | Wasatch/Mesaverde       |                    |          |                |                   |     |               |
| ADDITIO | NAL INFO      | Regulatory Agencies:    | UDOGM (SURFACE     | AND MINE | RALS), Tri-Cou | inty Health Dept. |     |               |





# DRILLING PROGRAM

#### **CASING PROGRAM**

|            |        |      |      | _     |              |       |                    | DESIGN FACTO | DRS            |
|------------|--------|------|------|-------|--------------|-------|--------------------|--------------|----------------|
|            | SIZE   | INTE | RVAL | WT.   | GR.          | CPLG. | BURST              | COLLAPSE     | TENSION        |
| CONDUCTOR  | 14"    | 0-   | 40'  |       |              |       | 2270               | 1370         | 254000         |
| SURFACE    | 9-5/8" | O to | 1600 | 32.30 | H-40         | STC   | 0.88******<br>7780 | 1.83<br>6350 | 5.61<br>201000 |
| PRODUCTION | 4-1/2" | O t  | 8600 | 11.60 | M-80 or I-80 | LTC   | 3.02               | 1.42         | 2.31           |
|            |        |      |      |       | _            |       |                    |              |                |

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 10.0 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)

MASP

Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

#### CEMENT PROGRAM

|                 | FT. OF FILL | DESCRIPTION                            | SACKS      | EXCESS       | WEIGHT      | YIELD |
|-----------------|-------------|--|------------|--------------|-------------|-------|
| SURFACE LEAD    | 500         | Premium cmt + 2% CaCl                  | 215        | 60%          | 15.60       | 1.18  |
| Option 1        |             | + .25 pps flocele                      |            |              |             |       |
| TOP OUT CMT (1) | 200         | 20 gals sodium silicate + Premium cmt  | 50         |              | 15.60       | 1.18  |
|                 |             | + 2% CaCl + .25 pps flocele            |            |              |             |       |
| TOP OUT CMT (2) | as required | Premium cmt + 2% CaCl                  | as req.    |              | 15.60       | 1.18  |
| SURFACE         |             | NOTE: If well will circulate water to  | surface, o | ption 2 will | be utilized |       |
| Option 2 LEAD   | 1500        | Prem cmt + 16% Gel + 10 pps gilsonite  | 170        | 35%          | 11.00       | 3.82  |
|                 |             | +.25 pps Flocele + 3% salt BWOC        |            |              |             |       |
| TAIL            | 500         | Premium cmt + 2% CaCl                  | 180        | 35%          | 15.60       | 1,18  |
|                 |             | + .25 pps flocele                      |            |              |             |       |
| TOP OUT CMT     | as required | Premium cmt + 2% CaCl                  | as req.    |              | 15.60       | 1.18  |
|                 |             |  |            |              |             |       |
| PRODUCTION LEAD | 3,540'      | Premium Lite II + 3% KCI + 0.25 pps    | 390        | 60%          | 11.00       | 3.38  |
|                 | -           | celloflake + 5 pps gilsonite + 10% gel |            |              |             |       |
|                 |             | + 0.5% extender                        |            |              |             |       |
|                 |             |  |            |              |             |       |
| TAIL            | 5,060'      | 50/50 Poz/G + 10% salt + 2% gel        | 1420       | 60%          | 14.30       | 1.31  |
|                 |             | +.1% R-3                               |            |              |             |       |

<sup>\*</sup>Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

#### FLOAT EQUIPMENT & CENTRALIZERS

| SURFACE    | Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.                   |  |
|------------|---|--|
| PRODUCTION | Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers. |  |
|            |   |  |

#### **ADDITIONAL INFORMATION**

DRILLING

| BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.  Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees. |     |
|---|-----|
| tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.  |     |
|   |     |
| BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder &  | per |
|   |     |
| Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.   |     |

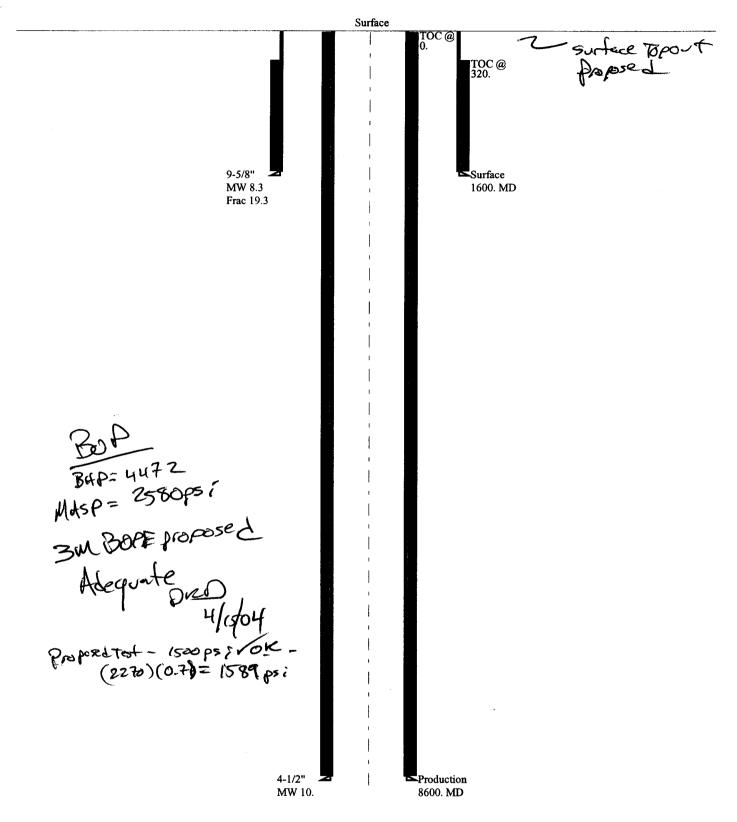
|                          | ,                                    |
|--------------------------|--------------------------------------|
| DRILLING SUPERINTENDENT: |                                      |
|                          | Randy Bayne DHD STATE1022-32O sundry |

Brad Laney

<sup>\*</sup>Substitute caliper hole volume plus 15% excess for TAIL if accurate caliper is obtained

# ○04-04 Westport State 1022-Sorev.

**Casing Schematic** 



04-04 Westport State 1022-32Orev. Well name:

Westport Oil & Gas Co. Operator:

String type:

Production 43-047-345315

**Uintah County** Location:

Design parameters: Collapse

Mud weight: 10.000 ppg Design is based on evacuated pipe.

Minimum design factors: Collapse:

Design factor 1.125 **Environment:** 

H2S considered? Surface temperature: Bottom hole temperature:

65 °F 185 °F 1.40 °F/100ft

No

Temperature gradient: Minimum section length:

368 ft

**Burst:** 

Design factor

1.00

1.50 (B)

Cement top:

Surface

**Burst** 

Max anticipated surface

pressure: 3,436 psi Internal gradient: 0.120 psi/ft

Calculated BHP 4,468 psi

No backup mud specified.

Tension:

Body yield:

1.80 (J) 8 Round STC: 1.80 (J) 8 Round LTC: 1.60 (J) **Buttress:** 1.50 (J) Premium:

Tension is based on air weight. Neutral point: 7,314 ft Non-directional string.

| Run | Segment        |                   | Nominal            |               | End               | True Vert        | Measured       | Drift              | Internal          |
|-----|----------------|-------------------|--------------------|---------------|-------------------|------------------|----------------|--------------------|-------------------|
| Seq | Length<br>(ft) | Size<br>(in)      | Weight<br>(lbs/ft) | Grade         | Finish            | Depth<br>(ft)    | Depth<br>(ft)  | Diameter<br>(in)   | Capacity<br>(ft³) |
| 1   | 8600           | 4.5               | 11.60              | M-80          | LT&C              | 8600             | 8600           | 3.875              | 199.3             |
| Run | Collapse       | Collapse          | Collapse           | Burst         | Burst             | Burst            | Tension        | Tension            | Tension           |
| Seq | Load<br>(psi)  | Strength<br>(psi) | Design<br>Factor   | Load<br>(psi) | Strength<br>(psi) | Design<br>Factor | Load<br>(Kips) | Strength<br>(Kips) | Design<br>Factor  |
| 1   | 4468           | 6350              | 1.42               | 4468          | 7780              | 1.74             | 100            | 267                | 2.68 B            |

Prepared **Dustin Doucet** 

Utah Dept. of Natural Resources

Phone: 801-538-5281 FAX: 801-359-3940

Date: April 15,2004 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Oil shale Cause No. 190-5(B); Surface casing cemented to surface Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension. Collapse is based on a vertical depth of 8600 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

Well name:

04-04 Westport State 1022-32Orev.

Operator:

Westport Oil & Gas Co.

String type:

Surface

43-047-345315

Location:

**Uintah County** 

Minimum design factors: **Environment:** 

Collapse

Mud weight: Design is based on evacuated pipe.

Design parameters:

Collapse:

Design factor

1.125

H2S considered? Surface temperature: Bottom hole temperature:

No 65 °F 87 °F

Temperature gradient: Minimum section length: 1.40 °F/100ft 200 ft

**Burst:** 

Design factor

1.00

1.50 (J)

1.50 (B)

Cement top:

320 ft

**Burst** 

Max anticipated surface

pressure: Internal gradient:

1,408 psi 0.120 psi/ft

8,330 ppg

Calculated BHP 1,600 psi

No backup mud specified.

**Tension:** 

8 Round STC: 1.80 (J) 1.80 (J) 8 Round LTC: 1.60 (J) **Buttress:** 

Premium: Body yield:

Tension is based on air weight. Neutral point: 1.404 ft Non-directional string.

Re subsequent strings:

Next setting depth: Next mud weight: Next setting BHP:

8,600 ft 10.000 ppg 4,468 psi 19.250 ppg

Fracture mud wt: Fracture depth: Injection pressure

1,600 ft 1,600 psi

| Run | Segment        |                   | Nominal            |               | End               | True Vert        | Measured       | Drift              | Internal          |
|-----|----------------|-------------------|--------------------|---------------|-------------------|------------------|----------------|--------------------|-------------------|
| Seq | Length<br>(ft) | Size<br>(in)      | Weight<br>(lbs/ft) | Grade         | Finish            | Depth<br>(ft)    | Depth<br>(ft)  | Diameter<br>(in)   | Capacity<br>(ft³) |
| 1   | 1600           | 9.625             | 32.30              | H-40          | ST&C              | 1600             | 1600           | 8.876              | 101.4             |
| Run | Collapse       | Collapse          | Collapse           | Burst         | Burst             | Burst            | Tension        | Tension            | Tension           |
| Seq | Load<br>(psi)  | Strength<br>(psi) | Design<br>Factor   | Load<br>(psi) | Strength<br>(psi) | Design<br>Factor | Load<br>(Kips) | Strength<br>(Kips) | Design<br>Factor  |
| 1   | 692            | 1370              | 1.98               | 1600          | 2270              | 1.42             | 52             | 254                | 4.91 J            |

Prepared

**Dustin Doucet** 

**Utah Dept. of Natural Resources** by:

Phone: 801-538-5281 FAX: 801-359-3940

Date: April 15,2004 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Oil shale Cause No. 190-5(B); Surface casing cemented to surface Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 1600 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

STATE OF LITAL

| SIAILOFUIAH                     |
|---------------------------------|
| DEPARTMENT OF NATURAL RESOURCES |
| DIVISION OF OIL, GAS AND MINING |

| ~             |  |
|---------------|--|
|               |  |
|               | 6. Lease Designation and Serial Number                   |
|               | ML-22798   |
|               | 7. Indian Allottee or Tribe Name                         |
| مال میں ام    | 8. Unit or Communitization Agreement                     |
| ed wells.     | 8. Officer Communitization Agreement                     |
|               | Well Name and Number                                     |
|               | STATE 1022-32O   |
|               | 10. API Well Number                                      |
|               | 43-047-35315   |
| lumber        | 11. Field and Pool, or Wildcat                           |
| 7024          | NATURAL BUTTES   |
|               |  |
|               | UINTAH   |
| State :       | UTAH   |
| NOTICE        | , REPORT, OR OTHER DATA                                  |
|               | BSEQUENT REPORT  |
| (Sul          | bmit Original Form Only)                                 |
| donment       | * New Construction                                       |
| ng Repair     | Pull or Alter Casing                                     |
| nge of Pla    | ns Shoot or Acidize                                      |
| ersion to     | Injection Vent or Flare                                  |
| ture Treat    | <b>=</b>   |
| r WELL        |  |
| ·             |  |
| mpletion      | 4/5/04   |
| ripietion     | 4/3/04   |
| of Multiple   | Completions and Recompletions to different reservoirs    |
|               | OR RECOMPLETION AND LOG form.                            |
|               | ied by a cement verification report.                     |
| e pertinent o | dates. If well is directionally drilled, give subsurface |
|               |  |
| DLE TO        | 40'.   |
|               |  |
| 1630'.        | 4.0 PDG 4.00 VWDV F                                      |
| _             | 1.0 PPG 3.82 YIELD                                       |
|               | OB #1 THRU 1"<br>CL CMT TO SURFACE.                      |
| 470 CAC       | <b></b>  |
|               | RECEIVED   |
|               | APR 1 4 2004   |
|               | DIV. OF OIL, GAS & MINING                                |
|               |  |

|  | ON OF OIL, GAS AND MINI   |  | 6. Lease Designation and Serial Number                             |
|--|---|--|--|
| Q DIVISI   | OIA OI OIL, GAG AIND MIINI  |  | ML-22798   |
|  |   |  | 7. Indian Allottee or Tribe Name                                   |
| SUNDRY NOTIC   | ES AND REPORTS OF   | N WELLS  |  |
| Do not use this form for proposals to drill new  |   |  | 8. Unit or Communitization Agreement                               |
|  | ATION FOR PERMIT for such proposals   |  |  |
| Type of Well   |   | · · · · · · · · · · · · · · · · · · ·                      | 9. Well Name and Number  |
| ☐ Oil 🕡 Gas  | Other (specify)   |  | STATE 1022-32O   |
| AAGII AAGII  |   |  | 10. API Well Number  |
| 2. Name of Operator  | NIX I D   |  | 43-047-35315   |
| WESTPORT OIL & GAS COMPA  3. Address of Operator   | ANT L.P.  | 4. Telephone Number  | 11. Field and Pool, or Wildcat                                     |
| <ol><li>Address of Operator</li><li>1368 SOUTH 1200 EAST VERNA</li></ol>                           | AT TITAH 84078  | (435) 781-7024   | NATURAL BUTTES   |
| 5. Location of Well  | AL, UTAII 84078   | (433) 761-7024   | TATTORILE BOTTES   |
|  | & 2037'FEL  | County :   | UINTAH   |
| QQ, Sec, T., R., M : SWSE S  |   | -  | UTAH   |
|  |   |  | , REPORT, OR OTHER DATA  |
| 12. CHECK APPROPR<br>NOTICE OF   |   |  | BSEQUENT REPORT  |
| (Submit in D   |   |  | omit Original Form Only)   |
|  | New Construction  | Abandonment  |  |
| Abandonment  |   |  |  |
| Casing Repair  | Pull or Alter Casing  | Casing Repair  |  |
| Change of Plans  | Recompletion  | Change of Pla  |  |
| Conversion to Injection  | Shoot or Acidize  | Conversion to  | Injection Vent or Flare  |
| Fracture Treat   | Vent or Flare   | Fracture Treat   | Water Shut-Off   |
| Multiple Completion  | Water Shut-Off  | X Other WELL   | SPUD   |
| Other  |   |  |  |
|  |   | Date of Work Completion                                    | 4/5/04   |
| Approximate Date Work Will Start   |   |  |  |
|  |   |  | Completions and Recompletions to different reser                   |
|  |   |  | OR RECOMPLETION AND LOG form. ied by a cement verification report. |
|  | TER OPERATIONS (Clast adds all as   | <u>`_</u>  | <u> </u>   |
| <ol> <li>DESCRIBE PROPOSED OR COMPLE<br/>locations and measured and true vertice</li> </ol>        | TED OPERATIONS (Clearly state all per<br>al depths for all markers and zones pertin | ranent details, and give peranent t<br>nent to this work.) | dates. If well is directionally drilled, give subsurface           |
|  |   |  |  |
| MIRU PETE MARTIN BUCKET  | RIG. DRILLED 40' OF 20" C   | ONDUCTOR HOLE TO   | 40'.   |
| SET 14" CONDUCTOR PIPE. CI   |   |  |  |
| MIRU BILL JR'S DRILLING RIC  |   |  | 1 0 DDC 2 02 MEI D   |
| RAN 9 5/8" 32.3# J-55 STC CSG.   |   |  |  |
| TAILED CMT W/200 SX PREM 200 SX G 4% CACL CMT TO SU  | G WIS.O FFG 1.10 YIELD UN   | 11 10 SUKFACE, 10P J<br>P IOR #2 50 SY 4% C&C              | CL CMT TO SURFACE  |
| HOLES STAYED FULL.   | AUACE, ONLIALEING TO  | I JOD HE JUDIA T/U OAC                                     |  |
| TODAS CITTADA COM.   |   |  | RECEIVED   |
| SPUD WELL LOCATION ON 4/   | 5/04 AT 2 PM.   |  | APR 1 4 2004   |
|  |   |  | DIV. OF OIL, GAS & MINH  |
|  |   |  |  |
| 14. I hereby certify that the foregoing  | is true and correct.  |  |  |
| <ul><li>14. I hereby certify that the foregoing</li><li>Name &amp; Signature Sheila Upch</li></ul> |   |  | ılatory Analyst Date 04/09/04                                      |

# STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

|                | DIVISIO                        | N OF OIL, GAS AND MINI                                  | NG                                  | <ol><li>Lease Designation and Serial Number</li></ol>    |
|----------------|--------------------------------|---|-------------------------------------|--|
| 09             |                                |   |                                     | ML-22798   |
|                |                                |   |                                     | 7. Indian Allottee or Tribe Name                         |
|                | SUNDRY NOTICE                  | S AND REPORTS OF  | N WELLS                             |  |
|                |                                | vells, deepen existing wells, or to reenter             |                                     | 8. Unit or Communitization Agreement                     |
| Do not use uns |                                | TION FOR PERMIT for such proposals                      |                                     |  |
| 1. Type of W   |                                | · · · · · · · · · · · · · · · · · · ·                   |                                     | 9. Well Name and Number                                  |
| Oil Well       | $oxed{X}$ Gas                  | Other (specify)   |                                     | STATE 1022-32O   |
| 2. Name of     | Operator                       |   |                                     | 10. API Well Number                                      |
| WESTPORT       | OIL & GAS COMPAN               | NY L.P.   |                                     | 43-047-35315   |
|                | of Operator                    |   | 4. Telephone Number                 | 11. Field and Pool, or Wildcat                           |
| 1368 SOUTI     | H 1200 EAST VERNAI             | _, UTAH 84078   | (435) 781-7024                      | NATURAL BUTTES   |
| 5. Location    |                                |   |                                     |  |
| Footage        | : 629'FSL &                    |   | -                                   | : UINTAH   |
|                | , T., R., M : SWSE SE          |   |                                     | : UTAH   |
| 12.            | CHECK APPROPRIA                | TE BOXES TO INDICATE                                    | NATURE OF NOTICE                    | E, REPORT, OR OTHER DATA                                 |
|                | NOTICE OF I                    |   |                                     | BSEQUENT REPORT  |
|                | (Submit in Du                  | plicate)  | (Su                                 | ıbmit Original Form Only)                                |
| Abando         | onment                         | New Construction  | Abandonment                         | t * New Construction                                     |
|                | -                              | Pull or Alter Casing                                    | Casing Repai                        | r Pull or Alter Casing                                   |
|                | g Repair                       |   |                                     |  |
| Chang          | e of Plans                     | Recompletion  | Change of Pla                       |  |
| Conve          | ersion to Injection            | Shoot or Acidize  | Conversion to                       |  |
| Fractu         | re Treat                       | Vent or Flare   | Fracture Trea                       | t Water Shut-Off   |
| Multipl        | le Completion                  | Water Shut-Off  | X Other WELI                        | L SPUD   |
| Other          |                                |   |                                     |  |
|                |                                |   | Date of Work Completion             | 4/5/04   |
| Annrovimate [  | Date Work Will Start           |   |                                     |  |
| Approximate    | Jake Work Will Glair           |   | Report results of Multiple          | e Completions and Recompletions to different reservo     |
|                |                                |   | on WELL COMPLETION                  | OR RECOMPLETION AND LOG form.                            |
|                |                                |   | <u></u>                             | nied by a cement verification report.                    |
| 13. DESCRIB    | E PROPOSED OR COMPLET          | ED OPERATIONS (Clearly state all per                    | rtinent details, and give pertinent | dates. If well is directionally drilled, give subsurface |
| locations a    | and measured and true vertical | depths for all markers and zones pertin                 | nent to this work.)                 |  |
|                | DD C DD C) ( 1 (20) FC         | 0.460L DANIA 1/08 11 6#T                                | 90 I TC CCC                         |  |
|                |                                | ) 8460'.   RAN 4 1/2" 11.6# I-<br>AD OF 30 BBLS SCAVNGE |                                     |  |
|                | D BY 310 SX PL-II + A          |   | K CWI (69.511 G                     |  |
|                | /1500 SX 50/50 POZ @           |   |                                     |  |
| FI OATS H      | OI DING RECIPROCA              | TE PIPE THROUGH OUT JO                                  | OB. GOOD CMT                        |  |
| TLOAISIN       | OLDING RECIPROCIT              |   |                                     |  |
| RELEASE        | D CAZA 81 RIG ON 5             | /16/04 AT 06:00 HRS.                                    |                                     |  |
|                |                                |   |                                     |  |
|                |                                |   |                                     |  |
|                |                                |   |                                     |  |
|                |                                |   |                                     |  |
|                |                                |   | -                                   |  |
| 14. I hereby   | certify that the foregoing is  | true and correct.                                       | ) <u>.</u>                          |  |
|                | Ol-21- Th-1-                   | a de l'Han  | Title Den                           | gulatory Analyst Date 05/17/04                           |
| Name & Sign    | ature Sheila Upches            | of well   | A Reg                               | Guideory Frindry St. Date 05/17/04                       |
| (State Use O   | nly)                           |   |                                     |  |
|                |                                |   |                                     | RECEIVED   |
|                |                                |   |                                     | ・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・                  |

MAY 2 7 2004

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

| <b>010</b>                                 | SION OF OIL, GAS AND MINII   | NG                                    | 6. Lease Designation and Serial Number  ML-22798         |
|--|--|---------------------------------------|--|
|  |  |                                       | 7. Indian Allottee or Tribe Name                         |
| SUNDRY NOT                                 | ICES AND REPORTS OF  | N WELLS                               |  |
|  | new wells, deepen existing wells, or to reenter<br>LICATION FOR PERMIT for such proposals    | plugged and abandoned wells.          | Unit or Communitization Agreement                        |
| Type of Well                               |  |                                       | 9. Well Name and Number                                  |
| Oil X Gas Well                             | Other (specify)  |                                       | STATE 1022-32O   |
| 2. Name of Operator                        |  |                                       | 10. API Well Number                                      |
| WESTPORT OIL & GAS COM                     | PANY L.P.  |                                       | 43-047-35315   |
| 3. Address of Operator                     |  | 4. Telephone Number                   | 11. Field and Pool, or Wildcat                           |
| 1368 SOUTH 1200 EAST VER                   | NAL, UTAH 84078  | (435) 781-7024                        | NATURAL BUTTES   |
| 5. Location of Well                        | SL & 2037'FEL  | County                                | UINTAH   |
| Footage : 629'FS QQ, Sec, T., R., M : SWSE |  | <u>-</u>                              | UTAH   |
|  |  |                                       | , REPORT, OR OTHER DATA                                  |
|  | OF INTENT  | 1                                     | BSEQUENT REPORT  |
|  | n Duplicate)   |                                       | bmit Original Form Only)                                 |
| Abandonment                                | New Construction   | Abandonment                           | * New Construction                                       |
| Casing Repair                              | Pull or Alter Casing   | Casing Repair                         | Pull or Alter Casing                                     |
| Change of Plans                            | Recompletion   | Change of Pla                         |  |
| Conversion to Injection                    | Shoot or Acidize   | Conversion to                         | =  |
| Fracture Treat                             | Vent or Flare  | Fracture Treat                        |  |
| Multiple Completion                        | Water Shut-Off   | L                                     | DUCTION START-UP   |
|  | Water Shar Sh  | 17 0                                  |  |
| Other                                      |  | Date of Work Completion               | 6/6/04   |
| Approximate Date Work Will Start           |  | Date of Work completion               | 0,0,04   |
| Approximate Date Work Will Start           |  | Report results of Multiple            | Completions and Recompletions to different reservoirs    |
|  |  | on WELL COMPLETION                    | OR RECOMPLETION AND LOG form.                            |
|  |  |                                       | ied by a cement verification report.                     |
|  | PLETED OPERATIONS (Clearly state all pert<br>rtical depths for all markers and zones pertine |                                       | dates. If well is directionally drilled, give subsurface |
| locations and measured and true ver        | tical depths for all markers and zones perting   | ent to this work.)                    |  |
|  |  |                                       |  |
|  |  |                                       |  |
| THE SUBJECT WELL LOCAT                     | TION WAS PLACED ONTO SAL   | ES ON 6/6/04 AT 9:15 A                | M.   |
| DIFACE DEED TO THE ATT                     | CACHED CHRONOLOGICAL W   | ELL HISTODY                           | RECEIVED  JUN 2.2 2004                                   |
| PLEASE REFER TO THE ATT                    | ACHED CHRONOLOGICAL W  | ELL IIISTOK1.                         | 2004   |
|  |  |                                       | JUN 2 2 2001   |
|  |  |                                       | DIV. OF OIL, GAS & MINING                                |
|  |  |                                       | DIV. OF OILS,  |
|  |  |                                       |  |
|  |  |                                       |  |
| 14. I hereby certify that the foregoin     | ng is true and correct.  |                                       |  |
|  | Decla la la  | · · · · · · · · · · · · · · · · · · · | Platom Amplicat Data 05/00/04                            |
| Name & Signature Sheila Upo                | thego Much yave  | Title Regu                            | ulatory Analyst Date 06/09/04                            |
| (State Use Only)                           |  |                                       |  |

#### WESTPORT OIL & GAS COMPANY, LP

#### CHRONOLOGICAL HISTORY

#### **STATE 1023-320**

|         | SPUD   | Surface Casing | Activity                             | Status       |
|---------|--------|----------------|--------------------------------------|--------------|
| 3/22/04 |        |                | <b>Build Location, 50% Complete</b>  |              |
| 3/23/04 |        |                | <b>Build Location, 60% Complete</b>  | Caza 81      |
| 3/24/04 |        |                | <b>Build Location, 70% Complete</b>  | Caza 81      |
| 3/25/04 |        |                | <b>Build Location, 75% Complete</b>  | Caza 81      |
| 3/26/04 |        |                | <b>Build Location, 95% Complete</b>  | Caza 81      |
| 3/29/04 |        |                | <b>Build Location, 100% Complete</b> | Caza 81      |
| 3/30/04 |        |                | <b>Build Location, 100% Complete</b> | Caza 81      |
| 3/31/04 |        |                | Location Complete. WOBR              | Caza 81      |
| 4/1/04  |        |                | Location Complete. WOBR              | Caza 81      |
| 4/2/04  |        |                | Location Complete. WOBR              | Caza 81      |
| 4/5/04  |        |                | Location Complete. WOBR              | Caza 81      |
| 4/6/04  |        | 14" @ 40'      | Location Complete. WOAR              | Caza 81      |
| 4/7/04  | 4/5/04 | 14" @ 40'      | Spud w/Air Rig 4/5/0. Drlg           | Caza 81      |
| 4/8/04  | 4/5/04 | 9 5/8" @ 1594' | Drlg to 1630' set 9 5/8" csg.        | WORT Caza 81 |
| 4/12/04 | 4/5/04 | 9 5/8" @ 1594' |                                      | WORT Caza 81 |
| 4/13/04 | 4/5/04 | 9 5/8" @ 1594' |                                      | WORT Caza 81 |
| 4/14/04 | 4/5/04 | 9 5/8" @ 1594' |                                      | WORT Caza 81 |
| 4/15/04 | 4/5/04 | 9 5/8" @ 1594' |                                      | WORT Caza 81 |
| 4/16/04 | 4/5/04 | 9 5/8" @ 1594' |                                      | WORT Caza 81 |
| 4/19/04 | 4/5/04 | 9 5/8" @ 1594' |                                      | WORT Caza 81 |
| 4/20/04 | 4/5/04 | 9 5/8" @ 1594' |                                      | WORT Caza 81 |
| 4/21/04 | 4/5/04 | 9 5/8" @ 1594' |                                      | WORT Caza 81 |

| 4/22/04 | 4/5/04   | 9 5/8" @ 1594'   |   | WORT  | Caza 81                   |
|---------|--|--|---|---|---------------------------|
| 4/23/04 | 4/5/04   | 9 5/8" @ 1594'   |   | WORT  | Caza 81                   |
| 4/26/04 | 4/5/04   | 9 5/8" @ 1594'   |   | WORT  | Caza 81                   |
| 4/27/04 | 4/5/04   | 9 5/8" @ 1594'   |   | WORT  | Caza 81                   |
| 4/28/04 | 4/5/04   | 9 5/8" @ 1594'   |   | WORT  | Caza 81                   |
| 4/29/04 | 4/5/04   | 9 5/8" @ 1594'   |   | WORT  | Caza 81                   |
| 4/30/04 | 4/5/04   | 9 5/8" @ 1594'   |   | WORT  | Caza 81                   |
| 5/3/04  | 4/5/04   | 9 5/8" @ 1594'   |   | WORT  | Caza 81                   |
|         |  |  |   |   |                           |
| 5/4/04  | TD: 1630'<br>MIRU Caza 81.                       | Csg. 9 5/8" @ 1594' Conduct rig repairs.   | MW: 8.4   | SD: 5/xx/04   | DSS: 0                    |
| 5/5/04  | TD: 1630'<br>Conduct rig rep<br>Float Collar @   | Csg. 9 5/8" @ 1594' pairs. NU and test BOPE. report time.                        | MW: 8.4<br>TIH w/PDC bit a                        | SD: 5/xx/04<br>and MM. Drill co                       | DSS: 0<br>ement and       |
| 5/6/04  |  | Csg. 9 5/8" @ 1594'<br>ar cement and Float Shoe.<br>A@ report time.              | MW: 8.4<br>Rotary spud @ 0                        | SD: 5/05/04<br>0700 hrs 5/5/04.                       | DSS: 1<br>Drill from      |
| 5/7/04  | TD: 4910'<br>Drill from 3505                     | Csg. 9 5/8" @ 1594'<br>'-4212'. DA@ report tim                                   | MW: 8.4<br>e. 4472'-4502', B                      | SD: 5/05/04<br>BG 550 units, 8'                       | DSS: 2<br>flare.          |
| 5/10/04 | TD: 6875'<br>Drill from 4910<br>circulating thro | Csg. 9 5/8" @ 1594'<br>'-5330'. Shut well in and a<br>bugh choke. Drill to 6875' | MW: 9.3<br>mud up pits. Disp<br>c. DA @ report ti | SD: 5/05/04<br>place hole with 8.9<br>me with 9.3 ppg | DSS: 5<br>ppg mud<br>mud. |
| 5/11/04 | TD: 7505'<br>Drill from 6875                     | Csg. 9 5/8" @ 1594'<br>''-7505'. DA @ report tin                                 | MW: 9.5<br>ne with 9.5 ppg m                      | SD: 5/05/04<br>ud.                                    | DSS: 6                    |
| 5/12/04 | TD: 7831'<br>Drill from 7505<br>report time wit  | Csg. 9 5/8" @ 1594'<br>''-7831'. Circulate botton<br>h 9.6 ppg mud.              | MW: 9.6<br>ns up. Slug pipe a                     | SD: 5/05/04<br>and TFNB and M                         | DSS: 7<br>IM @            |
| 5/13/04 | TD: 8101'<br>Finish TIH. W                       | Csg. 9 5/8" @ 1594'<br>ash and ream 40' to btm.                                  | MW: 9.8<br>Drill from 7831'                       | SD: 5/05/04<br>-8101'. DA @ re                        | DSS: 8                    |

5/14/04

TD: 8460' Csg. 9 5/8" @ 1594' MW: 10.4 SD: 5/05/04 DSS: 9 Drill from 8101'-8460'. Circulate btms up for samples @ report time.

5/17/04

TD: 8460' Csg. 9 5/8" @ 1594' MW: 10.6 SD: 5/05/04 DSS: 11 Circulate btms up for samples. TD well @ 8460'. Short trip to 7000'. POOH and log well with Halliburton. Run Triple Combo. TIH and condition hole for casing. POOH laying down drill string. Run and cement 4 ½" Production Casing. ND BOPE and set slips. Release rig @ 0600 hrs 5/16/04. Rig down rotary tools. Will move to State 1022-32M this am.

5/27/04

PROG: HELD SAFETY MEETING. RD. ROAD RIG & EQUIP F/ NBU 1021-1M TO LOC. MIRU. NDWH, NUBOP. TALLY 289 JTS 2 3/8" J-55 TBG. PU 3 7/8" BIT & RIH, PU TBG OFF TRAILER. TAG PBTD @ 8455'. SWI. SDFN.

5/28/04

PROG: HELD SAFETY MEETING. RU PMP & LINES. CIRC WELL CLEAN W/ 130 BBLS 2% KCL. POOH W/ TBG. LD BIT & BIT SUB. MIRU CUTTERS WL SVC. PU CBL TOOLS & RIH. RUN CBL/GR/CCL F/ 8391' TO SURF. (GOOD BOND). LD CBL TOOLS. PU 3 3/8" PROSPECTOR PERF GUNS LOADED W/ 23 GM CHARGES. 4 SPF, 90 DEG PHASING & RIH. SHOOT 16 HOLES F/ 8350' - 54', PU SHOOT 8 HOLES F/ 8271' - 73'. POOH. RDMO CUTTERS. X-O PIPE RAMS TO DBL BLINDS. SDFN.

6/1/04

5/28/04 PROG: PREP TO FRAC ON TUES.

6/2/04

PROG: HELD SAFETY MEETING. MIRU SCHLUMBERGER (2 HRS). MIRU CUTTERS. PSI TST LINES TO 8500# (HELD). FRAC STG 1. STAGE #1: BRK DWN PERF'S @ 3888#, EST INJ RATE @ 19 BPM @ 4000#, ISIP: 2490#, FG: .73, CALCULATE PERF'S OPEN (21/24 HOLES OPEN ). FRAC STG 1 W/ 150,000# 20/40 SAND W/ YF118ST+, ISIP: 2950#, NPI: 460#, FG: .79. STAGE #2: PU 3 3/8" PROSPECTOR PERF GUNS LOADED W/ 23 GM CHARGES, 4 SPF, 90 DEG PHASING & 4 1/2" CBP & RIH. SET CBP @ 8115'. PU SHOOT 16 HOLES F/ 8079' - 83', PU SHOOT 12 HOLES F/ 8044' - 47', POOH, PU 2ND PERF GUN & RIH. SHOOT 12 HOLES F/7922' - 7925', PU SHOOT 12 HOLES F/ 7889' - 92', PU SHOOT 4 HOLES F/ 7810' - 11', PU SHOOT 16 HOLES F/ 7784' - 88', POOH. BRK DWN PERF'S @3291#, EST INJ RATE @ 35.5 BPM @ 4900#, ISIP: 2430#, FG: .74. FRAC STG 2 W/ 361,500# 20/40 SAND W/ YF118ST+, ISIP: 2920#, NPI: 490#, FG: .80.

STAGE #3: PU 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 7405'. PU SHOOT 20 HOLES F/ 7368' - 73', PU SHOOT 16 HOLES F/ 7298' - 7302'. POOH. PU 2ND PERF GUN & RIH. SHOOT 12 HOLES F/ 7204' - 07', PU SHOOT 12 HOLES F/ 7155' - 58'. POOH. BRK DWN PERF'S @ 2614#, EST INJ RATE @ 3850# @ 30 BPM, ISIP: 1834#, FG: .69, FRAC STG 3 W/ 300,000# SAND W/ YF118ST+, ISIP: 2573#, NPI: 739#, FG: .79.

STAGE #4: PU 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 6970'. PU SHOOT 16 HOLES F/ 6930' - 34'. POOH. SWI. SDFN.

6/3/04

PROG: HELD SAFETY MEETING. OPEN WELL, 425# SICP. STAGE #4: BRK DWN PERF'S @ 3901#, EST INJ RATE @ 14.8 BPM @ 3417#, ISIP: 2275#, FG: .77. FRAC STG 4 W/ 50,000# 20/40 SAND W/ YF116ST+. SCREENED OUT W/ 37,815# SAND IN FORMATION. FLOW WELL BACK. REFLUSH W/ 106 BBLS.

STAGE #5: PU 3 3/8" PROSPECTOR PERF GUNS LOADED W/ 23 GM CHARGES, 4 SPF, 90 DEG PHASING & 4 1/2" CBP & RIH. SET CBP @ 6400'. PU SHOOT 12

HOLES F/ 6364' - 67', PU SHOOT 16 HOLES F/ 5996' - 6000'. POOH. BRK DWN PERFS @ 2583#, EST INJ RATE @ 25 BPM @ 3050#, ISIP: 1960#, FG: .75. FRAC STG 5 W/ 115,500# 20/40 SAND W/ YF116ST+, ISIP: 2640#, NPI: 680#, FG: .86. STAGE #6: PU 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 5415'. PU SHOOT 20 HOLES F/ 5383' - 88', PU SHOOT 16 HOLES F/ 5240' - 44', PU SHOOT 12 HOLES F/ 5066' - 69'. POOH. BRK DWN PERF'S @ 2020#, EST INJ RATE @ 2814# @ 34.6 BPM, ISIP: 1127#, FG: .65. FRAC STG 6 W/ 254,000# SAND W/ YF116ST+, ISIP: 2205#, NPI: 1078#, FG: .86. PU 4 1/2" CBP & RIH. SET CBP @ 4960'. POOH. RDMO CUTTERS. RDMO SCHLUMBERGER. PU 3 7/8" SMITH BIT. FE POBS & RIH W/ TBG TAG FILL @ 4960'. RU DRL EQUIP. BRK CONV CIRC. & BEGIN TO DRL CO 24' SAND. DRL UP KILL PLUG @ 4960' IN 20 MIN. (900# PSI INC.) CONT TO RIH. TAG FILL @ 5380', CO TO 2ND CBP @ 5415' DRL UP 2ND CBP IN 28 MIN. (0# PSI INC). CIRC WELL CLEAN. POOH W/ 10 STANDS TBG EOT @ 4900'. SWI. SDFN.

6/4/04

PROG: WELL ON FLOWBACK. FLOWBACK REPORT: CP: 700#, TP: 900#, 24/64" CHK, 42 BWPH, 12 HRS, SD: TRACE, TTL BBLS FLWD: 1209, TODAY'S LTR 8937 BBLS, LOAD REC TODAY: 2567 BBLS, REMAINING LTR: 6370 BBLS, TOTAL LOAD REC TO DATE: 2567 BBLS.

6/7/04

6/5/04 PROG: WELL ON FLOWBACK. FLOWBACK REPORT: CP: 1350#, TP: 1225#, 24/64" CHK, 28 BWPH, 24 HRS, SD: TRACE, TTL BBLS FLWD: 828, TODAY'S LTR 6370 BBLS, LOAD REC TODAY: 828 BBLS, REMAINING LTR: 5542 BBLS, TOTAL LOAD REC TO DATE: 3395 BBLS.
6/6/04 PROG: WELL ON FLOWBACK. FLOWBACK REPORT: CP: 1790#, TP: 900#, 30/64" CHK, 12 BWPH, 24 HRS, SD: CLEAN, TTL BBLS FLWD: 503, TODAY'S LTR 5542 BBLS, LOAD REC TODAY: 503 BBLS, REMAINING LTR: 5039 BBLS, TOTAL LOAD REC TO DATE: 3898 BBLS.

WELL WENT ON SALES 6/6/04, 2000 MCF, 16/64" CHK, SICP: 1500#, FTP: 1450#, 12 BWPH. FINAL REPORT.

6/8/04

#### ON SALES

6/6/04: 1638 MCF, 4 BC, 222 BW, TP 1350#, CP: 2050#, 16/64" CHK, 19 HRS, LP: 110#.

6/9/04

#### ON SALES

6/7/04: 1624 MCF, 4 BC, 265 BW, TP: 1400#, CP: 2000#, 16/64" CHK, 24 HRS, LP: 126#.

| 5. LEASE DESIGNATION | AND SERIAL NO. |
|----------------------|----------------|
| MI 22708             |                |

| 012                                |                 | DIVISION                | OF C           | DIL, G            | AS AND I                                     | MIN           | IING                       |                 |                    | 16456 DES<br>11645 DES       | 160a 1100 an<br>18                      | D SERIAL NO.             |
|------------------------------------|-----------------|-------------------------|----------------|-------------------|--|---------------|----------------------------|-----------------|--------------------|------------------------------|---|--------------------------|
| WELL                               | COMP            | LETION C                | R RI           | ECOM              | PLETION                                      | I RI          | EPORT A                    | AND LC          | G*                 | 5. IF INDIAN                 | , ALLOTTEE O                            | R TRIBE NAME             |
| 1a. TYPE OF WELL                   |                 |                         |                |                   |  |               |                            |                 |                    | 7. UNIT AGR                  | EEMENT NAM                              | E                        |
|                                    |                 | OIL WELL [              | ٦              | GAS<br>WELL       | ☑ <sub>DRY</sub>                             |               | Other                      |                 |                    |                              |   |                          |
| 1b. TYPE OF COMP                   | PLETION         | WELL -                  | <del></del>    | WELL -            | — DKI  |               | •                          |                 |                    |                              |   |                          |
|                                    |                 | DEED                    |                | DI LIC            | DIFF.  |               |                            |                 | 1                  |                              | LEASE NAME,                             | WELL NO.                 |
| WELL X                             | WORK<br>OVER    | DEEP-                   |                | PLUG<br>BACK      | RESVR.                                       |               | Other                      |                 |                    | STAT                         | E                                       |                          |
| 2. NAME OF OPERATO                 |                 | AS COMPAN               | IY I P         |                   | 12   |               |                            |                 |                    | 0. WELL NO.                  | 320                                     |                          |
| 3. ADDRESS AND TELL 1368 SOUTH     | LEPHONE NO.     |                         |                |                   | <b>'</b> 8                                   |               | (435) 78                   | 1-7024          |                    |                              | D POOL OR W                             |                          |
| 4. LOCATION OF V                   |                 |                         |                |                   |  | nents)        |                            |                 | 1                  | 1. SEC., T., R               | ., M., OR BLO                           | CK AND SURVEY            |
| At Surface                         |                 |                         |                | 014               | /DE 600/E01 8                                | 202           | 71001                      |                 |                    | OR AREA                      |   |                          |
| At top prod. Interval              | reported below  | v                       |                | SW                | /SE 629'FSL &                                | 203           | / PEL                      |                 | S                  | SECTION                      | 32-T10S-R                               | 22E                      |
| At total depth                     |                 |                         |                |                   | 7-35315                                      |               | DATE ISSUE<br>11/25/03     |                 | U                  | 2. COUNTY<br>JINTAH          |   | 13. STATE  UTAH          |
|                                    | 16. DATE T.D.   | REACHED                 | 17. DA         |                   | (Ready to prod. or Ph                        |               | 18. ELEVATIONS<br>5555'GL  | (DF, RKB, RT,   | GR, ETC.)*         |                              |   | 19. ELEV. CASINGHEAD     |
| 4/5/04<br>20. TOTAL DEPTH, M       | 5/14/04         | 21. PLUG, BAC           |                |                   | 22. IF MULTI                                 |               |                            | 23. INTERVAL    | S ROTARY TO        | OOLS                         |   | CABLE TOOLS              |
|                                    |                 | i i                     | D              |                   | HOW MA                                       | NY            |                            | DRILLED B       |                    |                              |   |                          |
| 8460' MD 24. PRODUCING INTE        |                 |                         | ID<br>TOP BOT  |                   | TVD (MD AND TVD)                             |               |                            | >               | <u> X</u>          |                              |   | 25. WAS DIRECTIONAL      |
| MESAVERDE.                         | : 8271'-83      | 54'; 7784'-808          |                |                   |  | ·,            |                            |                 |                    |                              |   | SURVEY MADE              |
| WASATCH: 59                        |                 |                         |                |                   | ***  | [2            | 27. WAS WELL               | CORED YES       | NO X (S            | Submit analysi               | (s)                                     | 7.00                     |
| CBL-GR-CCI                         | L, SO/1         | DSN, HR.                | I/M            | ICROL             | 0G   |               | DRILL STE                  | M TEST YES      |                    | See reverse sia              | le)                                     |                          |
| 23.                                |                 | •                       |                | ···               | CASING RE                                    | $\overline{}$ | D (Report all s            | trings set in w |                    |                              |   | r                        |
| 14" CONDUC                         |                 | weight,<br>50#          | LB./FT.        | 40'               | TH SET (MD)                                  | 20'           | HOLE SIZE                  | 50 SX           | CEMENTING          | RECORD                       |   | AMOUNT PULLED            |
| 9 5/8"                             | <u> </u>        |                         | 555            | 1630'             |  |               | 1/4"                       |                 | 200-6,13           | 30-PAR                       | MLITE 2                                 | OC-CPIEN -               |
| 4 1/2"                             |                 | 11.6#                   | -80            | 8460'             |  | 7 7           | 78"                        | 1810 SX         | [310-UK            | 1500                         | 50/50P0                                 | 2) 50                    |
|                                    |                 |                         |                | <u></u>           |  |               |                            |                 |                    | NG PEGO                      |   |                          |
| 29.                                | T 700           |                         | R RECO         |                   | SACKS CEMEN                                  | т*            | SCREEN (MD)                | 30.<br>SIZE     |                    | NG RECO<br>TH SET (MI        |   | PACKER SET (MD)          |
| SIZE                               | 10              | P (MD)                  | ВОТТС          | M (MD)            | SACKS CEMEN                                  |               | SCREEN (MD)                | 2 3/8"          | 8085'              | THI SET (WIL                 | ·/                                      | THEREBY OFF (MD)         |
|                                    |                 |                         |                |                   |  |               |                            |                 |                    | 1000                         |   |                          |
| 31. PERFORATION F                  | RECORD (Interv  | val, size and number)   |                |                   |  |               | 32.                        |                 | HOT, FRACTU        |                              |   |                          |
| INTERVAL                           |                 |                         | SIZE           | 2                 | NUMBER<br>24 HOLES                           | ŀ             | DEPTH INTE<br>8271'-8354   |                 |                    |                              | 20/40 SD                                | W/YF118ST                |
| 8271'- <b>8354'</b><br>7784'-8083' |                 |                         |                |                   | 72 HOLES                                     |               | 7784'-8083                 |                 |                    |                              |   | W/YF118ST                |
| 7155'-7373'                        |                 |                         |                |                   | 60 HOLES                                     |               | 7155'-7373                 |                 | FRAC W/30          | 00,000#                      | 20/40 SD                                | W/YF118ST                |
| 6930'-6934'                        |                 |                         |                |                   | 16 HOLES                                     |               | 6930'-6934                 | !'              | FRAC W/50          | N/50,000# 20/40 SD W/YF116ST |   | V/YF116ST                |
| 5996'-6367'                        |                 |                         |                |                   | 28 HOLES                                     |               | 5996'-6367                 |                 |                    |                              |   | W/YF116ST                |
| 50 <b>66'-</b> 5388'               |                 |                         |                |                   | 48 HOLES                                     | _             | <i>5066'-5388</i><br>CTION | )<br>           | PRAC W/Z           | 54,000#                      | 20/40 30                                | W/YF116S1                |
| 33.*  DATE FIRST PRODUC            | CTION           | PRODUCTIO               | N METHO        | D (Flowing, s     | gas lift, pumpingsize                        |               |                            |                 |                    |                              | WELL STATU                              | S (Producing or shut-in) |
| 6/6/04                             |                 | FLOWIN                  | <u> </u>       |                   |  |               |                            | CAS MCE         | WAT                | ERBBL.                       | PRODUC                                  | GAS-OIL RATIO            |
| DATE OF TEST                       |                 | HOURS TESTED            | İ              | E SIZE            | PROD'N. FOR<br>TEST PERIOD                   | OIL.          | -BBLS                      | GASMCF.         | 1                  | ERBBL.                       |   | GAS-OIL KATIO            |
| 6/15/04                            |                 |                         | 4              | 17/64             | 1  |               | 15                         |                 | 2703               |                              | 156                                     |                          |
| FLOW. TUBING PRES                  | SS.             | CASING PRESSURI         |                | ULATED<br>UR RATE | OIL-BBL.                                     |               | GASMCI                     |                 | WATERBBL.          | 15/                          | OIL GRAVITY                             | -API (CUKK.)             |
| 1274#                              | CAR (Sall       | 1634#                   | >              |                   |  |               | 15                         | 2703            | REG                | 156<br>EST W/F =             | SKED BY                                 |                          |
| 34. DISPOSITION OF SOLD            | UAS (Sold, used | ior fuel, vented, etc.) |                |                   |  |               |                            |                 |                    |                              | · • • • • • • • • • • • • • • • • • • • |                          |
| 35. LIST OF ATTACH                 | IMENTS          |                         |                |                   |  |               | -                          |                 | JUL                | 1 3 200                      | 4                                       |                          |
| SIGNED SHE                         |                 | / // .                  | Man M          | s compete a       |  |               | GULATOR                    |                 | DIV. OF OIL,<br>ST | GAS & M                      | IINING<br>DATE                          | 7/7/2004                 |
| OTOTALD OF IL                      | <u></u>         | II WU                   | <u>~ / ///</u> | WUM               | <u>v                                    </u> |               |                            |                 |                    |                              |   |                          |

# INSTRUCTIONS

,.-

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, [TEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments. ests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a

pertinent to such interval. ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of

(TEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above). the cementing tool.

| 37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries. | is ty and contents ther lepth interval tested, pressures, and reco | eof; cored intervals;<br>cushion used,<br>veries. |                             | 38. GEOL | GEOLOGIC MARKERS |                  |
|---|--|---|-----------------------------|----------|------------------|------------------|
| Formation   | Тор  | Bottom  | Description, contents, etc. |          | Ţ                | Top              |
| WASATCH<br>MESAVERDE  | 3991'<br>6470'   | 6470'   |                             | Name     | Meas. Depth      | True Vert. Depth |
|   |  |   |                             |          |                  |                  |
|   |  |   |                             |          |                  |                  |
|   |  |   |                             |          |                  |                  |
|   |  |   |                             |          |                  |                  |
|   |  |   |                             |          |                  |                  |
|   |  |   |                             |          |                  |                  |

# STATE OF UTAH

**DEPARTMENT OF NATURAL RESOURCES** DIVISION OF OIL, GAS AND MINING

| 6.   | Lease  | Design | ation | and Se | rial Numb | er |
|------|--------|--------|-------|--------|-----------|----|
| ١хлг | ומוד ח | E WE   | TTC   | CEE    | ATTAC     | uc |

|  | •        |                            | MULTIPLE WELLS- SEE ATTACHED  |
|--|--|----------------------------|---|
|  |  |                            | 7. Indian Allottee or Tribe Name                                    |
| SUNDRY NOT   | ICES AND REPORTS O                             | N WELLS                    |   |
| 4  | new wells, deepen existing wells, or to reente |                            | 8. Unit or Communitization Agreement                                |
|  | LICATION FOR PERMIT – for such proposal        | S                          | MULTIPLE WELLS- SEE ATTACHED  |
| 1. Type of Well  |  |                            | Well Name and Number  |
| Oil X Gas Well   | Other (specify)                                |                            | MULTIPLE WELLS- SEE ATTACHED  |
| 2. Name of Operator  |  |                            | 10. API Well Number   |
| WESTPORT OIL & GAS COM                                       | PANY, L.P.                                     |                            | MULTIPLE WELLS- SEE ATTACHED  |
| 3. Address of Operator                                       |  | 4. Telephone Number        | 11. Field and Pool, or Wildcat                                      |
| 1368 SOUTH 1200 EAST, VER                                    | NAL, UTAH 84078                                | 435-781-7060               | MULTIPLE WELLS- SEE ATTACHEI  |
| 5. Location of Well  |  |                            |   |
| _  | TIPLE WELLS- SEE ATTACHE                       | •                          | : UINTAH  |
|  | TIPLE WELLS- SEE ATTACHE                       |                            | : UTAH  |
|  |  | 1                          | E, REPORT, OR OTHER DATA  |
|  | OF INTENT  Duplicate)                          |                            | BSEQUENT REPORT  ubmit Original Form Only)                          |
|  | · ,  | I —                        |   |
| Abandonment  | New Construction                               | Abandonment                |   |
| Casing Repair  | Pull or Alter Casing                           | Casing Repair              | Pull or Alter Casing  |
| Change of Plans  | Recompletion                                   | Change of Pla              | ns Shoot or Acidize   |
| Conversion to Injection                                      | Shoot or Acidize                               | Conversion to              | Injection Vent or Flare   |
| Fracture Treat   | Vent or Flare                                  | Fracture Treat             | t Water Shut-Off  |
| Multiple Completion  | Water Shut-Off                                 | Other                      |   |
| X Other VARIANCE   |  |                            |   |
|  |  | Date of Work Completion    |   |
| Approximate Date Work Will Start                             |  |                            |   |
|  |  | •                          | Completions and Recompletions to different reservoirs               |
|  |  |                            | OR RECOMPLETION AND LOG form. iled by a cement verification report. |
| 13. DESCRIBE PROPOSED OR COMPL                               | ETED OPERATIONS (Clearly state all per         | <del></del>                | dates. If well is directionally drilled, give subsurface            |
| locations and measured and true vert                         | ical depths for all markers and zones pertin   | nent to this work.)        |   |
| Westport Oil & Gas requests a va                             |  |                            |   |
|  |  |                            | mic analysis shows the value of the                                 |
| snrunk condensate will not payou producing life of the well. | if the incremental cost of purchas             | sing and maintaining the   | valve resulting in a loss of value over the                         |
| producing me of me wen.                                      |  |                            |   |
| The volume lost to shrinkage by                              | dropping the tank pressure from                | 6 ozs. to 0 psig is shown  | to be 0.3% of the tank volume. This was                             |
|  |  | . •                        | om 98.82% of original volume to 98.52%                              |
|  |  |                            | ate per month. The resulting shrinkage                              |
|  |  |                            | nk and lost condensate does not recoup                              |
|  |  |                            | ositive tank pressure. An economic                                  |
|  |  | equests approval of this v | ariance in order to increase the value                              |
| of the well to the operator and the                          | e mineral royalty owners.                      |                            | COPY SENT TO OPERATOR   |
| 14. I hereby certify that the foregoing                      | r is true and correct                          |                            | Date: 7-16-09   |
|  |  |                            |   |
| Name & SignatureDebra Dom                                    |  | Title Enviro               | nmental Assistant Date 07/12/04                                     |
|  | ivision of                                     |                            | RECEIVED  |
|  | and Mining Today                               | al Approval Of This        |   |
| 7/.  | -/or/ Acti                                     | ion is Necessary           | JUL 1 4 2004  |
| Date: \  | 100  | <u>.</u>                   |   |
| (8/90) By: \\ \ \ \ \ \                                      | See Instruction                                | s on Reverse Side          | DIV. OF OIL, GAS & MINING   |

| WELL                    | LEGALS                   | STF LEASE NO | CA NUMBER    | API NO     |
|-------------------------|--------------------------|--------------|--------------|------------|
| ARCHY BENCH STATE 1-2   | NENE SEC 2, T11S, R22E   | ML22348A     |              | 4304731489 |
| BAYLESS STATE 02-01     | SWSE SEC 2, T9S, R20E    | ML47044      |              | 4304734540 |
| BONANZA 1023-2A         | NENE SEC. 2, T10S, R23E  | ML47062      |              | 4304735347 |
| BONANZA 1023-2C         | NENW SEC. 2, T10S, R23E  | ML47062      |              | 4304735346 |
| BONANZA 1023-2E         | SWNW SEC. 2, T10S, R23E  | ML47062      |              | 4304735345 |
| KENNEDY WASH STATE 16-1 | NWNW SEC 16, T8S, R23E   | ML47212      |              | 4304733589 |
| MORGAN STATE 01-36      | SENW SEC 36, T9S, R21E   | ML22265      |              | 4304730600 |
| MORGAN STATE 02-36      | NWNE SEC 36, T9S, R21E   | ML22265      |              | 4304732585 |
| MORGAN STATE 03-36      | NWNE SEC 36, T9S, R21E   | ML22265      |              | 4304732589 |
| MORGAN STATE 04-36      | NWSW SEC 36, T9S, R21E   | ML22265      |              | 4304732729 |
| MORGAN STATE 05-36      | NWSE SEC 36, T9S, R21E   | ML22265      |              | 4304732735 |
| MORGAN STATE 06-36      | SWNW SEC 36, T9S, R21E   | ML22265      |              | 4304732810 |
| MORGAN STATE 07-36      | NENW SEC 36, T9S, R21E   | ML22265      |              | 4304732811 |
| MORGAN STATE 08-36      | NENE SEC 36, T9S, R21E   | ML22265      |              | 4304732812 |
| MORGAN STATE 09-36      | SWNE SEC 36, T9S, R21E   | ML22265      |              | 4304732815 |
| MORGAN STATE 10-36      | SENE SEC 36, T9S, R21E   | ML22265      |              | 4304732816 |
| MORGAN STATE 11-36      | NESW SEC 36, T9S, R21E   | ML22265      |              | 4304732813 |
| MORGAN STATE 12-36      | NESE SEC 36, T9S, R21E   | ML22265      |              | 4304732814 |
| MORGAN STATE 13-36      | SESE SEC 36, T9S, R21E   | ML22265      |              | 4304732817 |
| MORGAN STATE 14-36      | SWSW SEC 36, T9S, R21E   | ML22265      |              | 4304733092 |
| MORGAN STATE 15-36      | SESW SEC 36, T9S, R21E   | ML22265      |              | 4304733094 |
| MORGAN STATE 16-36      | SWSE SEC 36, T9S, R21E   | ML22265      |              | 4304733093 |
| STATE 01-32             | NESW SEC 32, T10S, R22E  | ML22798      | 891008900A   | 4304734317 |
| STATE 02-32             | SESW SEC 32, T10S, R22E  | ML22798      |              | 4304734831 |
| STATE 03-32             | NWSW SEC 32, T10S, R22E  | ML22798      |              | 4304734832 |
| STATE 1022-32A          | NENE SEC. 32, T10S, R22E | ML22798      |              | 4304735096 |
| STATE 1022-32J          | NWSE SEC 32, T10S, R22E  | ML22798      |              | 4304735095 |
| STATE 1022-32M          | SWSW SEC 32, T10S, R22E  | ML-22798     |              |            |
| STATE 1022-320          | SWSE SEC. 32, T10S, R22E | ML22798      |              | 4304735315 |
| STATE 11-36             | NESW SEC 36, T8S, R21E   | ML22051      | 9C-205       | 4304734505 |
| STATE 14-16             | SWSW SEC 16, T7S, R21E   | ML40904      |              | 4304731417 |
| STATE 31-32             | SESE SEC 31, T8S, R22E   | ML28048      | VR49I-84688C | 4304730906 |
| STATE 32-21             | NESE SEC 32, T8S, R21E   | ML22052      | 9C-204       | 4304730754 |
| STIRRUP STATE 32-1      | NWNE SEC 32, T6S, R21E   | ML22036      | UTU76783X    | 4304731557 |
| STIRRUP STATE 32-1-J    | NWSE SEC 32, T6S, R21E   | ML40226      |              | 4304731646 |
| STIRRUP STATE 32-2      | SENE SEC 32, T6S, R21E   | ML22036      | UTU76783X    | 4304731626 |
| STIRRUP STATE 32-6 SWD  | NENE SEC 32, T6S, R21E   | ML22036      | UTU76783X    | 4304732784 |
| UTE TRIBAL 31-060       | NESW SEC 31, T8S, R22E   | ML28048      | VR49I-84688C | 4304733340 |
| WONSITS STATE 01-32     | SWNE SEC 32, T7S, R22E   | ML47780      |              | 4304732820 |
| WONSITS STATE 02-32     | SWSE SEC 32, T7S, R22E   | ML47780      |              | 4304732819 |
| WONSITS STATE 05-32     | SENE SEC 32, T7S, R22E   | ML47780      |              | 4304733678 |
| WONSITS STATE 09-32     | NESW SEC 32, T7S, R22E   | ML47780      |              | 4304734060 |

| Fill in blue bu       | 1  |  |  |   |
|-----------------------|--|--|--|---|
| FIRE IN DIUG O.       |  |  |  |   |
| are shown b           | elow and graphed au  | tomatically at the botto   | a. The evaluation result.  om of the page. This sheet              |   |
| is protected          | to prevent accidental  | l alteration of the formu  | las, See JTC for changes.  |   |
| OPX entered           | as annual costs and/   | or as unit OPX costs for   | \$/BF and \$/MCF   |   |
| Condensate            | Shrinkage Economic   | 8  |  | 7   |
| unit must au man de . | Mon do lab ass   |  |  | <del>****</del>                                       |
| resi posi or produc   |  |  | DISCEPTION   |   |
|                       | \$/Year  | \$/Year  | \$/Year  |   |
|                       |  | \$1,099  | \$11   |   |
|                       |  |  |  |   |
|                       |  |  | \$0  |   |
|                       | -  |  |  |   |
| YLABOR                |  |  |  | •   |
|                       | \$0  | \$200  | \$200  |   |
|                       | \$6  | \$6  |  |   |
|                       | \$0  | \$0  | \$0  |   |
|                       | <del> </del>   | 6150   | \$0  |   |
| AULING                |  | \$130  |  |   |
|                       |  |  | \$0  |   |
| Totals                | <u> </u>   | \$350  |  | ed OPX Per Year                                       |
|                       | 4-   | 4000   | 2000 mcredie   | CONTENTED   |
|                       |  | Oil Brice Fara   | 2.00 14 /00  |   |
| Code                  | Cost, \$   |  |  |   |
|                       |  | Electric Cost \$   | - \$ / HP / day  |   |
| 830/860               |  |  |  |   |
|                       |  | O A MC   | 0.02 J4/MICF   |   |
| n & OPX Detail        |  |  |  |   |
| ion                   |  |  |  |   |
|                       | 0 MCFPD  |  |  |   |
|                       | 0 BWPD   |  |  |   |
| -                     | MCFPD  |  |  |   |
| '                     |  |  |  |   |
| <del></del>           |  | Pays   | ut Calculation:  |   |
|                       |  |  |  |   |
| (Life no              | longer than 20 years)  | Payo   |  |   |
|                       |  |  | •  |   |
| IROR =                | #DIV/0!  | Payo   | ut occurs when total AT cashfid                                    | w equals investment                                   |
| shflow:               |  | j  | rapri below, note years when o                                     | cashriow reaches zero                                 |
| Cashflow =            | (\$2,917) (Discou  | inted @ 10%) Payo  | ut = <b>NEVER</b> Years or   | #VALUE! Days  |
| Ves:                  |  |  |  |   |
|                       | 6 BO   |  |  |   |
| eserves =             | 0 MCF<br>38 MCFE   |  |  |   |
|                       | ₩CFE   |  |  |   |
|                       |  |  |  |   |
|                       | on 0 100 Bo  |  |  |   |
| NBU well produc       | es 0.192 Bapd with no<br>rareased production a   | tank pressure. The proc  | luction is increased to 0.196 Bc                                   | pd if 6 ozs of pressure                               |
| NBU well produc       | es 0.192 Bapd with no<br>nareased production o   | tank pressure. The proc<br>loes not payout the val                           | luction is increased to 0.196 Bc<br>we cost or the estimated annua | pd if 6 ozs of pressure<br>al maintenance costs.      |
| NBU well produc       | ncreased production o  | tank pressure. The prod<br>toes not payout the val<br>nsate Shrinkage Econor | ve cost or the estimated annua                                     | pd if 6 ozs of pressure<br>al maintenance costs.      |
| NBU well produc       | ncreased production o  | loes not payout the val  | ve cost or the estimated annua                                     | pd if 6 ozs of pressure<br>al maintenance costs.      |
| NBU well produc       | ncreased production o  | loes not payout the val  | ve cost or the estimated annua                                     | pd # 6 ozs of pressure<br>al maintenance costs.       |
| NBU well produc       | ncreased production o  | loes not payout the val  | ve cost or the estimated annua                                     | pd if 6 ozs of pressure<br>al maintenance costs.      |
| NBU well produc       | ncreased production o  | loes not payout the val  | ve cost or the estimated annua                                     | pd if 6 ozs of pressure<br>al maintenance costs.      |
| NBU well produc       | ncreased production o  | loes not payout the val  | ve cost or the estimated annua                                     | pd if 6 ozs of pressure<br>al maintenance costs.      |
| NBU well produc       | ncreased production o  | loes not payout the val  | ve cost or the estimated annua                                     | pd if 6 ozs of pressure<br>al maintenance costs.      |
| NBU well produc       | ncreased production o  | loes not payout the val  | ve cost or the estimated annua                                     | pd if 6 ozs of pressure<br>al maintenance costs.      |
| NBU well produc       | ncreased production o  | loes not payout the val  | ve cost or the estimated annua                                     | pd if 6 ozs of pressure<br>al maintenance costs.      |
| NBU well produc       | ncreased production o  | loes not payout the val  | ve cost or the estimated annua                                     | pd if 6 ozs of pressure<br>al maintenance costs.      |
| NBU well produc       | ncreased production o  | loes not payout the val  | ve cost or the estimated annua                                     | pd if 6 ozs of pressure<br>al maintenance costs.      |
| NBU well produc       | ncreased production o  | loes not payout the val  | ve cost or the estimated annua                                     | pd # 6 ozs of pressure<br>al maintenance costs.       |
| NBU well produc       | ncreased production o  | loes not payout the val  | ve cost or the estimated annua                                     | pd if 6 ozs of pressure<br>al maintenance costs.      |
|                       | Revenue S Revenu | New  | New  | Sef   Pull or production rig   pob ???   N   (Y or N) |

# Westport Oil and Gas, Inc. NBU/Ouray Field

RFL 2003-022

#### **COMPARISON OF FLASH BACK PRESSURES**

Calculated by Characterized Equation-of-State

| Flash      |              | Gas/Oil          | Specific        | Separator | Separator |
|------------|--------------|------------------|-----------------|-----------|-----------|
| Cond       | litions      | Ratio            | Gravity of      | Volume    | Volume    |
|            |              | (scf/STbbl)      | Flashed Gas     | Factor    | Percent   |
| peig       | ۴F           | (A)              | (Air=1.000)     | (B)       | (C)       |
| Calculated | i at Labora  | tory Flash Condi | itions          |           |           |
| 80         | 70           |                  |                 | 1.019     |           |
| 0          | 122          | 30.4             | 0.993           | 1.033     | 101.37%   |
| 0          | 60           | 0.0              |                 | 1.000     | 98.14%    |
| Calculated | l Flash witi | h Backpressure t | using Tuned EOS | 3         |           |
| 80         | 70           |                  |                 | 1.015     |           |
| 6.0 oz     | 65           | 24.6             | 0.777           | 1.003     | 98.82%    |
| 0          | 60           | 0.0              |                 | 1.000     | 98.52%    |
| 80         | 70           |                  |                 | 1.015     |           |
| 4.0 oz     | 65           | 24.7             | 0.778           | 1.003     | 98.82%    |
| 0          | 60           | 0.0              |                 | 1.000     | 98.52%    |
| 80         | 70           |                  |                 | 1.015     |           |
| 2.0 oz     | 65           | 24.7             | 0.779           | 1.003     | 98.82%    |
| 0          | 60           | 0.0              |                 | 1.000     | 98.52%    |
| 80         | 70           |                  |                 | 1.015     |           |
| 0          | 65           | 24.8             | 0.780           | 1.003     | 98.82%    |
| 0          | 60           | 0.0              |                 | 1.000     | 98.52%    |

<sup>(</sup>A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

<sup>(</sup>B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

<sup>(</sup>C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume. Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

| 3        |  | DIVISION OF OIL, GAS AND MINING   | 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22798       |
|----------|--|---|--|
|          |  | NOTICES AND REPORTS ON WELLS  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:                  |
| Do n     | not use this form for proposals to drill n       | new wells, significantly deepen existing wells below current bottom-hole depth, reenter sterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |  |
| . TY     | PE OF WELL OIL WELL                              | F*71  | 8. WELL NAME and NUMBER: STATE 1022-320                |
|          | AME OF OPERATOR: ESTPORT OIL & GAS (             | COMPANY L P   | 9. API NUMBER:<br>4304735315                           |
| . AD     | DDRESS OF OPERATOR:                              | PHONE N   | NUMBER: 10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES |
|          | 68 SOUTH 1200 EAST CIT                           | YVERNAL STATE UT 219 84078 (435)  | 77017024   |
|          | OOTAGES AT SURFACE: 629'FS                       | SL & 2037'FEL   | COUNTY: UINTAH   |
| Q1       | TR/QTR, SECTION, TOWNSHIP, RAN                   | IGE, MERIDIAN: SWSE 32 10S 22E  | STATE: UTAH  |
| 1.       | CHECK APP  | ROPRIATE BOXES TO INDICATE NATURE OF NO   | OTICE, REPORT, OR OTHER DATA                           |
|          | TYPE OF SUBMISSION                               | TYPE OF   | ACTION   |
| 7        | NOTICE OF INTENT                                 | ACIDIZE DEEPEN  | REPERFORATE CURRENT FORMATION                          |
| _,       | (Submit in Duplicate)                            | ALTER CASING FRACTURE TREAT   | SIDETRACKTO REPAIR WELL                                |
|          | Approximate date work will start:                | CASING REPAIR NEW CONSTRUCTION  |  |
|          |  | CHANGE TO PREVIOUS PLANS OPERATOR CHANGE  | <del>_</del>   |
| _        |  | CHANGE TUBING PLUG AND ABANDON  |  |
| Z        | SUBSEQUENT REPORT<br>(Submit Original Form Only) | CHANGE WELL NAME PLUG BACK  | WATER DISPOSAL   |
|          | Date of work completion:                         | CHANGE WELL STATUS PRODUCTION (STAR   |  |
|          | Date of work completion.                         | COMMINGLE PRODUCING FORMATIONS RECLAMATION OF W   | VELL SITE OTHER: MAINTENANCE                           |
|          | 0/40/0004  |   |  |
|          |  | CONVERT WELL TYPE RECOMPLETE - DIFF  OMPLETED OPERATIONS. Clearly show all pertinent details including d  | lates, depths, volumes, etc.                           |
| 8/9      | DESCRIBE PROPOSED OR C                           | OMPLETED OPERATIONS. Clearly show all pertinent details including d . NUBOP. UNLAND TBG. POOH & LD 20 JTS 2 3/8   | lates, depths, volumes, etc.                           |
| 8/9      | DESCRIBE PROPOSED OR C 9/04: MIRU ND TREE        | OMPLETED OPERATIONS. Clearly show all pertinent details including d . NUBOP. UNLAND TBG. POOH & LD 20 JTS 2 3/8   | lates, depths, volumes, etc.                           |
| 8/9      | DESCRIBE PROPOSED OR C 9/04: MIRU ND TREE        | OMPLETED OPERATIONS. Clearly show all pertinent details including d . NUBOP. UNLAND TBG. POOH & LD 20 JTS 2 3/8   | lates, depths, volumes, etc.                           |
| 8/9      | DESCRIBE PROPOSED OR C 9/04: MIRU ND TREE        | OMPLETED OPERATIONS. Clearly show all pertinent details including d . NUBOP. UNLAND TBG. POOH & LD 20 JTS 2 3/8   | lates, depths, volumes, etc.                           |
| 8/9      | DESCRIBE PROPOSED OR C 9/04: MIRU ND TREE        | OMPLETED OPERATIONS. Clearly show all pertinent details including d . NUBOP. UNLAND TBG. POOH & LD 20 JTS 2 3/8   | lates, depths, volumes, etc.                           |
| 8/9      | DESCRIBE PROPOSED OR C 9/04: MIRU ND TREE        | OMPLETED OPERATIONS. Clearly show all pertinent details including d . NUBOP. UNLAND TBG. POOH & LD 20 JTS 2 3/8   | lates, depths, volumes, etc.                           |
| 8/9      | DESCRIBE PROPOSED OR C 9/04: MIRU ND TREE        | OMPLETED OPERATIONS. Clearly show all pertinent details including d . NUBOP. UNLAND TBG. POOH & LD 20 JTS 2 3/8   | lates, depths, volumes, etc.                           |
| 8/9      | DESCRIBE PROPOSED OR C 9/04: MIRU ND TREE        | OMPLETED OPERATIONS. Clearly show all pertinent details including d . NUBOP. UNLAND TBG. POOH & LD 20 JTS 2 3/8   | lates, depths, volumes, etc.                           |
| 8/9<br>@ | DESCRIBE PROPOSED OR C 9/04: MIRU ND TREE        | OMPLETED OPERATIONS. Clearly show all pertinent details including d . NUBOP. UNLAND TBG. POOH & LD 20 JTS 2 3/8 BG PLUG. RDMO.                                | lates, depths, volumes, etc.                           |

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DIV. OF OIL, GAS & MINING (See Instructions on Reverse Side)

|  | DEPARTMENT OF NATURAL RESOURCES   |  |                        |                      |                               |  |  |
|--|---|--|------------------------|----------------------|-------------------------------|--|--|
|  |   | DIVISION OF OI   | L, GAS AND MI          | INING                |                               | 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22798 |  |
|  | SUNDRY  | / NOTICES AI   | ND REPORT              | S ON WEL             | LS                            | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:            |  |
| Do no  | ot use this form for proposals to drill n<br>drill horizontal la  | new wells, significantly deepe<br>aterals. Use APPLICATION |                        |                      |                               | 7. UNIT or CA AGREEMENT NAME:                    |  |
| 1. TYF   | PE OF WELL OIL WELL   | GAS WELI   | L 🚺 OTHER_             |                      |                               | 8. WELL NAME and NUMBER:<br>STATE 1022-320       |  |
|  | ME OF OPERATOR:   |  |                        |                      |                               | 9. API NUMBER:                                   |  |
|  | STPORT OIL & GAS (  | COMPANY L.P.   |                        |                      |                               | 4304735315                                       |  |
|  | DRESS OF OPERATOR:<br>3 S. 1200 E.  | y VERNAL   | STATE UT ZIF           | ,84078               | PHONE NUMBER: (435) 781-7024  | 10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES   |  |
| 4. LO  | CATION OF WELL  |  | No.                    |                      |                               |  |  |
| FO   | DTAGES AT SURFACE: 629'FS   | SL & 2037'FEL  |                        |                      |                               | COUNTY: UINTAH                                   |  |
| QTF  | R/QTR, SECTION, TOWNSHIP, RAN   | IGE, MERIDIAN: SWSE  | 32 10S 2               | 22E                  |                               | STATE: UTAH                                      |  |
| 11.  | CHECK APP   | ROPRIATE BOX   | ES TO INDICAT          | TE NATURE            | OF NOTICE, REPO               | RT, OR OTHER DATA                                |  |
| Т  | YPE OF SUBMISSION   |  |                        |                      | YPE OF ACTION                 | •  |  |
|  | NOTICE OF INITENT   | ACIDIZE  |                        | DEEPEN               |                               | REPERFORATE CURRENT FORMATION                    |  |
| ш '  | NOTICE OF INTENT<br>(Submit in Duplicate)   | ALTER CASING   |                        | FRACTURE             | TREAT                         | SIDETRACK TO REPAIR WELL                         |  |
|  | Approximate date work will start:   | CASING REPAIR  |                        | NEW CONS             | STRUCTION                     | TEMPORARILY ABANDON                              |  |
|  |   | CHANGE TO PRE  | VIOUS PLANS            | OPERATOR             | CHANGE                        | TUBING REPAIR                                    |  |
|  |   | CHANGE TUBING  |                        | PLUG AND             |                               | VENT OR FLARE                                    |  |
| <b>Z</b> :   | SUBSEQUENT REPORT   | CHANGE WELL N  |                        | PLUG BACI            |                               | WATER DISPOSAL                                   |  |
| ٠  | (Submit Original Form Only)   |  |                        | =                    |                               |  |  |
| ı  | Date of work completion:  | CHANGE WELL S  |                        |                      | ON (START/RESUME)             | WATER SHUT-OFF                                   |  |
|  |   |  | DUCING FORMATIONS      |                      | ION OF WELL SITE              | ✓ OTHER: MAINTENANCE                             |  |
|  |   | CONVERT WELL 1   | TYPE                   | RECOMPLE             | TE - DIFFERENT FORMATION      |  |  |
| 12. [  | DESCRIBE PROPOSED OR CO   | OMPLETED OPERATIO  | NS. Clearly show all p | pertinent details in | cluding dates, depths, volume | es, etc.   |  |
| 03/21/05 PROG: 3/18/05: 7:00 AM HELD SAFETY MEETING, FCP: 200#, FTP: 120#, BLEED WL DN. RU PMP & LINES. KILL WL W/40 BBLS 2% KCL DN TBG. NDWH. NUBOP. UNLAND TBG. TBG PULLING FREE. X-O RIH PU TBG. TAG SCALE @ 7820'. X-O POOH W/TBG. HAD TO KILL KILL 2 TIMES WHILE POOH W/130 BBLS 2% KCL. LD BTM 15 JTS & SN FOUND BARIUM SCALE ON TBG & SN, PU 3-7/8" SMITH BIT, POBS & RIH W/30 STANDS TBG. EOT @ 2000'. SWI. SDFN. HIGH WINDS. 03/19/05: 7:00 AM HELD SAFETY MEETING, SICP: 600#. BLEED WL DN. RU PMP & LINES KILL WL W/60 BBLS 2% KCL. CONT TO RIH W/TBG F 2000'. TAG SCALE @ 7820'. MIRU WEATHERFORD AIR FOAM UNIT. BRK CONV CIRC (1 HR). |   |  |                        |                      |                               |  |  |
| BEO<br>DRI<br>31 J   | BEG TO DRL. DRL DN 75'. FELL FREE @ 7945'. RD DRL EQUIP. CONT TO RIH. TAG SCALE @ 8075'. RU DRL EQUIP. & DRL 15' FELL FREE. CONT TO RIH. TAG FILL @ 8355'. RU DRL EQUIP & CO PBTD @ 8400'. CIRC WL CLEAN. POOH LD 31 JTS. LAND TBG W/EOT @ 7434.50'. NDBOP. NUWH. DROP BALL, PMP OFF THE BIT SUB @ 1100#. RU FLOWBACK LINES OFF WH TURN OVER TO FLOWBACK CREW. SICP: 600#, FTP: 50#, 64/64 CHK. |  |                        |                      |                               |  |  |
|  |   |  |                        |                      |                               | MAY 2 3 2005                                     |  |
|  |   |  |                        |                      |                               | DIV. OF OIL, GAS & MINING                        |  |
| NAME   | (PLEASE PRINT) SHEILA U   | IPCHEGO  |                        | тіті                 | E REGULATORY A                | ANALYST  |  |
| SIGNA  | TURE ///////  | marke  | (17)                   | DAT                  | <sub>=</sub> 5/17/2005        |  |  |
| U. U. U.   | ·····   | T VIII WY  | 7 // /                 | DAI                  | <u> </u>                      |  |  |

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| •   |   |   |
|---|---|---|
|   | STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES   | FORM 9  |
|   | DIVISION OF OIL, GAS AND MINING   | 5. LEASE DESIGNATION AND SERIAL NUMBER ML-22798   |
| SUNDRY  | NOTICES AND REPORTS ON WELLS  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:   |
| Do not use this form for proposals to drill r   | new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to aterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  | 7. UNIT or CA AGREEMENT NAME:   |
| TYPE OF WELL OIL WELL   |   | 8. WELL NAME and NUMBER:<br>STATE 1022-320  |
| 2. NAME OF OPERATOR:<br>WESTPORT OIL & GAS (  | COMPANY L.P.  | 9. API NUMBER:<br>4304735315  |
| 3. ADDRESS OF OPERATOR:   | Y VERNAL 9 184078 PHONE NUMBER: (435) 781-7024  | 10 FIELD AND POOL, OR WILDCAT<br>NATURAL BUTTES   |
| 4. LOCATION OF WELL  FOOTAGES AT SURFACE: 629'FS  QTR/QTR, SECTION, TOWNSHIP, RAN   | SL, 2037'FEL  | COUNTY: UINTAH  STATE:  UTAH  |
| 11. CHECK APPI  | ROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO   | ORT, OR OTHER DATA  |
| TYPE OF SUBMISSION  | TYPE OF ACTION  |   |
| NOTICE OF INTENT<br>(Submit in Duplicate)  Approximate date work will start:  | ACIDIZE DEEPEN  ALTER CASING FRACTURE TREAT  CASING REPAIR NEW CONSTRUCTION  CHANGE TO PREVIOUS PLANS OPERATOR CHANGE   | REPERFORATE CURRENT FORMATION  SIDETRACK TO REPAIR WELL.  TEMPORARILY ABANDON  TUBING REPAIR                          |
| SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion:   | CHANGE TUBING PLUG AND ABANDON  CHANGE WELL NAME PLUG BACK  CHANGE WELL STATUS PRODUCTION (START/RESUME)  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE  CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION   | VENT OR FLARE  WATER DISPOSAL  WATER SHUT-OFF  ✓ OTHER: MAINTENANCE   |
| 12. DESCRIBE PROPOSED OR CO   | DMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volur  | nes, etc.   |
| WH, NU BOP. PMP 45 BI<br>CONT TO POOH W/TRIC<br>STANDS. ID CLEAN, PRO<br>MORNING, WAITING ON<br>03/02/06 PROG: RIH W/O<br>OF SCALE. RIH TAG @ 8 | LOC. SPOT RIG & EQUIP. RU RIG. RU PMP TO TBG, PMP 20 BL KCL DN CSG TO KILL WL. UNLAND TBG, POOH @ 12 STN CKLE OF KCL PMPG CONTINUOUSLY TO KILL. LIGHT PATCH OFILE NIPPLE & BMPR SPRNG CLEAN. DRAIN DN PMP & LIN I AIR FOAM UNIT. SWI, SDFN. MILL BRK CIRC @ 7400' RIH TAG @ 7765'. RU SWIVEL. DRL ( B3330' C/O SD TO 8390'. CIRC CLEAN PULL & LD 30 JTS 2-3/8 I DN WL LAND TBG ON WL HEAD W/230 JTS 2-3/8 J-55 TBG NI | DS STOP TO KILL W/30 BBL KCL. Y SCALE ON OD OF BTM 15 IES. PREP TO RIH W/MILL IN OUT SCALE F/7765' TO 7844' 80' SDFN. |
| KB<br>HANGER  | 15.00<br>1.00   |   |

| OF SCALE, RIH TAG @ 8330' C/O                                 | SD TO 8390'. CIRC CLEA                      | @ 7765'. RU SWIVEL. DRL OUT SCALE F/7765' 10 7844' 80<br>IN PULL & LD 30 JTS 2-3/8 SDFN.<br>1/230 JTS 2-3/8 J-55 TBG ND BOP, NU TREE. PMP OFF BIT |             |
|---|---|---|-------------|
| KB<br>HANGER<br>230 JTS 2-3/8 J-55 TBG<br>POBS F-EDDIE<br>EOT | 15.00<br>1.00<br>7433.08<br>1.42<br>7434.50 |   |             |
| NAME (PLEASE PRINT) SHEILA UPCHEGO SIGNATURE                  | nfheist                                     | TITLE REGULATORY ANALYST  DATE 3/28/2006  |             |
| This space for State use only)                                |   |   | <del></del> |

11.

DEPARTMENT OF NATURAL RESOURCES

| DIVISION OF OIL, GAS AND MINING  | <ol> <li>LEASE DESIGNATION AND SERIAL NUMBER:</li> <li>ML-22798</li> </ol> |
|--|--|
| SUNDRY NOTICES AND REPORTS ON WELLS  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:                                      |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter pl<br>drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.          | 7. UNIT or CA AGREEMENT NAME:  |
| 1. TYPE OF WELL OIL WELL GAS WELL OTHER  | 8. WELL NAME and NUMBER: STATE 1022-320                                    |
| 2. NAME OF OPERATOR:   | 9. API NUMBER:   |
| KERR McGEE OIL & GAS ONSHORE LP  3. ADDRESS OF OPERATOR:  PHONE NO.  | 4304735315  JMBER: 10. FIELD AND POOL, OR WILDCAT:                         |
| 1368 S. 1200 E. CITY VERNAL STATE UT STATE (435)   | 781-7024 NATURAL BUTTES  |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 629'FSL, 2037'FEL   | COUNTY: UINTAH   |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 32 10S 22E   | STATE: UTAH  |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NO   | TICE, REPORT, OR OTHER DATA  |
| TYPE OF SUBMISSION TYPE OF   |  |
| ✓ NOTICE OF INTENT □ ACIDIZE □ DEEPEN  | REPERFORATE CURRENT FORMATION  |
| (Submit in Duplicate) ALTER CASING FRACTURE TREAT  | SIDETRACK TO REPAIR WELL   |
| Approximate date work will start: CASING REPAIR NEW CONSTRUCTION   | _  |
| CHANGE TO PREVIOUS PLANS OPERATOR CHANGE  CHANGE TUBING PLUG AND ABANDON   | U TUBING REPAIR  VENT OR FLARE   |
| CHANGE TUBING PLUG AND ABANDON  SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK   | WATER DISPOSAL   |
| (Submit Original Form Only)  CHANGE WELL STATUS  PRODUCTION (START.  |  |
| Date of work completion:  COMMINGLE PRODUCING FORMATIONS  RECLAMATION OF WE  | ED DECOMPLETE  |
| CONVERT WELL TYPE RECOMPLETE - DIFFE   | LIDDED WASATCH   |
| THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUPPROPOSES TO RECOMPLETE THE UPPER WASATCH INTERVALS EXCLIPRODUCTION FROM THE NEWLY COMPLETION WILL BE COMMINGLED COMPLETION.  PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE. | UDED FROM THE ORIGINAL COMPLETION.   |
| NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE RE  | GULATORY ANALYST   |
| SIGNATURE MILLE DATE 4/1   | 0/2006   |
| (This space for State use only)  OF UTAH DIVISION OF  OIL, GASSIA  | RECEIVED   |
| 6 1 3 CO A   | APR 1 4 2006   |
| (5/2000) (Side Instructions on Reverse Side)   | DIV. OF OIL. GAS & MINING  |

**STATE 1022-320** 

SWSE-Section 32 - T10S - R22E

Uintah County, UT

KBE:

5572'

API NUMBER:

43-047-353150

GLE:

5556'

**LEASE NUMBER:** 

ML22798

TD: PBTD: 8460' (Driller)

8417' (Float Collar)

UNIT/CA NUMBER: WI:

100.0000%

NRI:

86.92647%

ORRI:

8.000000%

**CASING:** 

12.25" hole

9.625", 32.3#, H-40 ST&C @ 1610'

Cemented with 130 sx. PREM LITE lead followed by 200 sx. PREM Class G tail. Top Out #1 200 sx. PREM Class G. Top Out #2 50 sx. PREM Class G.

TOC @ surface.

8.75" hole

4.5" 11.6# I-80 @ 8456' - Marker Joint 3918'-3939'

Cemented with 30 sx. SCAV followed by 310 sx. PL-II Lightweight cement and 1500 sx. 50/50 Pozmix tail. TOC @ ~2000' by CBL. TOC @ ~2000' by CBL.

**TUBING:** 

2.375" 4.7# J-55 landed at 7433'. Profile nipple at 7434.5' MD. Tubing is

swung.

| Tubular                     | Drift  | Collapse | Burst  | Capacitie | s        |          |  |  |  |
|-----------------------------|--------|----------|--------|-----------|----------|----------|--|--|--|
|                             | inches | psi      | Psi    | Gal./ft.  | Cuft/ft. | Bbl./ft. |  |  |  |
| 2.375" 4.7# J-55 tbg.       | 1.901  | 8100     | 7700   | 0.1626    | 0.02173  | 0.00387  |  |  |  |
| 4.5" 11.6# I-80 csg         | 3.875  | 6350     | 7780   | 0.6528    | 0.0872   | 0.01554  |  |  |  |
| Annular Capacities          |        |          |        |           |          |          |  |  |  |
| 2.375" tbg. X 4.5" 11.6# cs |        | 0.4226   | 0.0565 | 0.01006   |          |          |  |  |  |
| 4.5" csg. X 9.625" 32.3# cs | 2.4780 | 0.3314   | 0.0590 |           |          |          |  |  |  |
| 4.5" csg. X 7.875" hole     |        |          |        | 1.7052    | 0.2278   | 0.0406   |  |  |  |

## **EXISTING PERFORATION DETAIL:**

| Formation  | Date   | Top  | Bottom | SPF | Status |
|------------|--------|------|--------|-----|--------|
|            | 7      |      | * *    |     |        |
| Wasatch    | 6/3/04 | 5066 | 5069   | 4   | Open   |
| Wasatch    | 6/3/04 | 5240 | 5244   | 4   | Open   |
| Wasatch    | 6/3/04 | 5383 | 5388   | 4   | Open   |
| Wasatch    | 6/3/04 | 5996 | 6000   | 4   | Open   |
| Wasatch    | 6/3/04 | 6364 | 6367   | 4   | Open   |
| Mesa Verde | 6/2/04 | 6930 | 6934   | 4   | Open   |
| Mesa Verde | 6/2/04 | 7155 | 7158   | 4   | Open   |
| Mesa Verde | 6/2/04 | 7204 | 7207   | 4   | Open   |
| Mesa Verde | 6/2/04 | 7298 | 7302   | 4   | Open   |
| Mesa Verde | 6/2/04 | 7368 | 7373   | 4   | Open   |
| Mesa Verde | 6/2/04 | 7784 | 7788   | 4   | Open   |
| Mesa Verde | 6/2/04 | 7810 | 7811   | 4   | Open   |

| Mesa Verde | 6/2/04  | 7889 | 7892 | 4 | Open |
|------------|---------|------|------|---|------|
| Mesa Verde | 6/2/04  | 7922 | 7925 | 4 | Open |
| Mesa Verde | 6/2/04  | 8044 | 8047 | 4 | Open |
| Mesa Verde | 6/2/04  | 8079 | 8083 | 4 | Open |
| Mesa Verde | 5/28/04 | 8271 | 8273 | 4 | Open |
| Mesa Verde | 5/28/04 | 8350 | 8354 | 4 | Open |

#### **GEOLOGIC INFORMATION:**

| Formation   | Depth to top, ft. |
|-------------|-------------------|
| Uinta       | Surface           |
| Green River | 967'              |
| Wasatch     | 3991'             |
| Mesa Verde  | 6408'             |

#### Tech. Pub. #92 Base of USDW's

| USDW Elevation | ~2100' MSL |
|----------------|------------|
| USDW Depth     | ~3472' KBE |

#### **WELL HISTORY:**

#### Initial Completion – May to June 2004

- TD'd on 17 May 2004.
- MIRU. NDWH & NUBOP. TALLY 289 JTS 2 3/8" J-55 TBG. P/U 3-7/8" BIT & RIH, P/U TBG OFF TRAILER. TAG PBTD @ 8455'. R/U PMP & LINES. CIRC WELL CLEAN W/130 BBLS 2% KCL. POOH W/ TBG L/D BIT & BIT SUB. MIRU WL. P/U CBL TOOLS & RIH. RUN CBL/GR/CCL F/ 8391' TO SURF (GOOD BOND). L/D CBL TOOLS. P/U 3-3/8" PROSPECTOR PERF GUNS LOADED W/23 GM CHARGES, 4 SPF, 90 DEG PHASING & RIH. SHOOT MESA VERDE INTERVALS F/8350-54' (16 HOLES) & SHOOT F/8271-73' (8 HOLES). POOH. RDMO WL. START FRAC ON 6/2/04.
- MIRU PUMP SER (2 HRS). MIRU WL. PRESS TEST LINES TO 8500# (HELD).
   FRAC STAGE #1. BRK DWN PERF'S @ 3888#, EST INJ RATE @ 19 BPM @ 4000#, ISIP: 2490#, FG: 0.73 PSI/FT, CALC PERF'S OPEN (21/24 HOLES OPEN ).
   FRAC STG 1 W/ 150,000# 20/40 SAND W/ YF118ST+, ISIP: 2950#, NPI: 460#, FG: 0.79 PSI/FT.
- FRAC <u>STAGE #2</u>. P/U 3-3/8" PROSPECTOR PERF GUNS LOADED W/ 23 GM CHARGES, 4 SPF, 90 DEG PHASING & 4 1/2" CBP & RIH. SET CBP @ 8115'. P/U SHOOT MESA VERDE INTERVALS F/8079-83' (16 HOLES) & SHOOT F/8044-47' (12 HOLES). POOH. P/U 2ND PERF GUN & RIH. SHOOT MESA VERDE INTERVALS F/7922-25' (12 HOLES), SHOOT F/7889-92' (12 HOLES), SHOOT F/7810-11' (4 HOLES), & SHOOT F/7784-88' (16 HOLES). POOH. BRK DWN PERF'S @ 3291#, EST INJ RATE @ 35.5 BPM @ 4900#, ISIP: 2430#, FG: 0.74 PSI/FT. FRAC STG 2 W/ 361,500# 20/40 SAND W/ YF118ST+, ISIP: 2920#, NPI: 490#, FG: 0.80 PSI/FT.
- FRAC <u>STAGE #3.</u> P/U 3-3/8" PERF GUNS, 4 SPF 90 DEG PHASING & 4 1/2" CBP & RIH. SET CBP @ 7405'. P/U SHOOT MESA VERDE INTERVALS F/7368'-73' (20

- HOLES) & SHOOT F/7298-7302' (16 HOLES). POOH. P/U 2ND PERF GUN & RIH. SHOOT MESA VERDE INTERVALS F/7204-07' (12 HOLES) & SHOOT F/7155-58' (12 HOLES). POOH. BRK DWN PERF'S @ 2614#, EST INJ RATE @ 3850# @ 30 BPM, ISIP: 1834#, FG: 0.69 PSI/FT, FRAC STG 3 W/ 300,000# SAND W/ YF118ST+, ISIP: 2573#, NPI: 739#, FG: 0.79 PSI/FT.
- FRAC <u>STAGE #4.</u> P/U 3-3/8" PERF GUNS, 4 SPF 90 DEG PHASING & 4 1/2" CBP & RIH. SET CBP @ 6970'. P/U SHOOT MESA VERDE INERVAL F/6930-34' (16 HOLES). POOH. SWIFN. OPEN WELL, 425# SICP. BRK DWN PERF'S @ 3901#, EST INJ RATE @ 14.8 BPM @ 3417#, ISIP: 2275#, FG: 0.77 PSI/FT. FRAC STG 4 W/ 50,000# 20/40 SAND W/ YF116ST+. SCREENED OUT W/ 37,815# SAND IN FORMATION. FLOW WELL BACK. REFLUSH W/ 106 BBLS.
- FRAC <u>STAGE #5.</u> P/U 3-3/8" PROSPECTOR PERF GUNS LOADED W/23 GM CHARGES, 4 SPF, 90 DEG PHASING & 4 1/2" CBP & RIH. SET CBP @ 6400'. P/U SHOOT WASATCH INTERVALS F/6364-67' (12 HOLES) & F/5996-6000' (16 HOLES). POOH. BRK DWN PERFS @ 2583#, EST INJ RATE @ 25 BPM @ 3050#, ISIP: 1960#, FG: 0.75 PSI/FT. FRAC STG 5 W/ 115,500# 20/40 SAND W/ YF116ST+, ISIP: 2640#, NPI: 680#, FG: 0.86 PSI/FT.
- FRAC <u>STAGE #6.</u> P/U 3-3/8" PERF GUNS, 4 SPF 90 DEG PHASING & 4 1/2" CBP & RIH. SET CBP @ 5415'. P/U SHOOT WASATCH INTERVALS F/5383-88' (20 HOLES), SHOOT F/5240-44' (16 HOLES) & SHOOT F/5066-69' (12 HOLES). POOH. BRK DWN PERF'S @ 2020#, EST INJ RATE @ 2814# @ 34.6 BPM, ISIP: 1127#, FG: 0.65 PSI/FT. FRAC STG 6 W/ 254,000# SAND W/ YF116ST+, ISIP: 2205#, NPI: 1078#, FG: 0.86 PSI/FT. PU 4 1/2" CBP & RIH. SET CBP @ 4960'. POOH.
- RDMO WL. RDMO PUMP SER. P/U 3-7/8" SMITH BIT. FE POBS & RIH W/ TBG TAG FILL @ 4960'. R/U DRL EQUIP. BRK CONV CIRC. & BEGIN TO DRL & C-O 24' SAND. DRL UP KILL PLUG @ 4960' IN 20 MIN. (900# PSI INC.) CONT TO RIH. TAG FILL @ 5380', C-O TO 2ND CBP @ 5415' DRL UP 2ND CBP IN 28 MIN. (0# PSI INC). CIRC WELL CLEAN. POOH W/ 10 STANDS TBG EOT @ 4900'. SWIFN. RIH W/ 10 STANDS TBG. TAG FILL @ 6380'. BRK CONV CIRC. C-O 20' SAND TO 3RD CBP @ 6408', DRL UP 3RD CBP IN 10 MIN. (0# PSI INC). CONT TO RIH. TAG FILL @ 6928', (52' FILL). C-O SAND TO 4TH CBP @ 6980' DRL UP 4TH CBP IN 15 MIN. (350# PSI INC). CONT TO RIH. TAG FILL @ 7370', (35' FILL). C-O TO 5TH CBP @ 7405'. DRL UP 5TH CBP IN 5 MIN. (500# PSI INC). CONT TO RIH. TAG FILL @ 8082', (31' FILL). C-O TO 6TH CBP @ 8113'. DRL UP 6TH CBP IN 10 MIN. (200# PSI INC). CONT TO RIH. TAG FILL @ 8333'. (78' FILL). C-O TO PBTD @ 8411'. CIRC WELL CLEAN. POOH L/D 11 JTS. LUBRICATE TBG HANGER INTO WELL. LAND TBG W/ EOT @ 8084'. NDBOP & NUWH. PMP OFF THE BIT SUB @ 2400#, R/U FLOW BACK EQUIP. TURN WELL TO PIT. SICP 1000#. FTP 650#. 24/64 CHOKE. RDMO.
- WELL ON FLOWBACK. FLOWBACK REPORT: CP: 700#, TP: 900#, 24/64" CHK, 42 BWPH, 12 HRS, SD: TRACE, TTL BBLS FLWD: 1209, TODAY'S LTR 8937 BBLS, LOAD REC TODAY: 2567 BBLS, REMAINING LTR: 6370 BBLS, TOTAL LOAD REC TO DATE: 2567 BBLS.
- WELL ON FLOWBACK. FLOWBACK REPORT: CP: 1350#, TP: 1225#, 24/64" CHK, 28 BWPH, 24 HRS, SD: TRACE, TTL BBLS FLWD: 828, TODAY'S LTR 6370 BBLS, LOAD REC TODAY: 828 BBLS, REMAINING LTR: 5542 BBLS, TOTAL LOAD REC TO DATE: 3395 BBLS.
- WELL ON FLOWBACK. FLOWBACK REPORT: CP: 1790#, TP: 900#, 30/64" CHK, 12 BWPH, 24 HRS, SD: CLEAN, TTL BBLS FLWD: 503, TODAY'S LTR 5542 BBLS, LOAD REC TODAY: 503 BBLS, REMAINING LTR: 5039 BBLS, TOTAL LOAD

- REC TO DATE: 3898 BBLS. WELL WENT ON SALES 6/6/04, 2000 MCF, 16/64" CHK, SICP: 1500#, FTP: 1450#, 12 BWPH.
- IP'd 6/15/04: 2703 MCF, 15 BC, 156 BW, TP: 1274#, CP: 1634#, 17/64" CHK, 24 HRS, LP: 129#. FINAL REPORT.

## **RAISE TUBING (LOE) - August 2004**

• MIRU. N/D TREE. NUBOP. UNLAND TBG. POOH & LD 20 JTS 2-3/8". LAND TBG ON WELL HEAD W/230 JTS EOT 7437'. MIRU DELSCO RETEV TBG PLUG. RD DELSCO. R/D RIG. SDFWE. FINAL REPORT.

#### CLEANOUT (LOE) - March 2005

- FCP: 200#, FTP: 120#, BLEED WL DN. R/U PMP & LINES. KILL WL W/40 BBLS 2% KCL DN TBG. NDWH. NUBOP. UNLAND TBG. TBG PULLED FREE. X-O RIH P/U TBG. TAG SCALE @ 7820'. X-O POOH W/TBG. HAD TO KILL 2 TIMES WHILE POOH W/130 BBLS 2% KCL. L/D BTM 15 JTS & SN FOUND BARIUM SCALE ON TBG & SN, P/U 3-7/8" BIT, POBS & RIH W/30 STANDS TBG. EOT @ 2000'. SWI. SDFN. HIGH WINDS.
- SICP: 600#. BLEED WL DN. R/U PMP & LINES KILL WL W/60 BBLS 2% KCL. CONT TO RIH W/TBG F 2000'. TAG SCALE @ 7820'. MIRU WEATHERFORD AIR FOAM UNIT. BRK CONV CIRC (1 HR). BEG TO DRL. DRL DN 75'. FELL FREE @ 7945'. R/D DRL EQUIP. CONT TO RIH. TAG SCALE @ 8075'. R/U DRL EQUIP. & DRL 15' FELL FREE. CONT TO RIH. TAG FILL @ 8355'. R/U DRL EQUIP & COTO PBTD @ 8400'. CIRC WL CLEAN. POOH L/D 31 JTS. LAND TBG W/EOT @ 7434.50'. NDBOP. NUWH. DROP BALL, PMP OFF THE BIT SUB @ 1100#. R/U FLOWBACK LINES OFF WH TURN OVER TO FLOWBACK CREW. SICP: 600#, FTP: 50#, 64/64 CHK.

#### SLICKLINE (LOE) - October 2005

• R/U WL & PULL PLUNGER & SPRING RIH TO PBTD. SCRATCH AND BROACH TBG. FLUID LEVEL: 5900'. PLUNGER: 7425'. SN DEPTH: 7425'. TAGGED FILL: 7800'. TBG: 48 PSI CSG: 587psi.

#### CLEANOUT (LOE) - March 2006

- SPOT RIG & EQUIP. R/U RIG. R/U PMP TO TBG, PMP 20 BBL KCL DN TBG TO KILL WL. N/D WH, N/U BOP. PMP 45 BBL KCL DN CSG TO KILL WL. UNLAND TBG, POOH @ 12 STNDS STOP TO KILL W/30 BBL KCL. CONT TO POOH W/TRICKLE OF KCL PMPG CONTINUOUSLY TO KILL. LIGHT PATCHY SCALE ON OD OF BTM 15 STANDS. ID CLEAN, PROFILE NIPPLE & BMPR SPRNG CLEAN. DRAIN DN PMP & LINES. PREP TO RIH W/MILL RIH W/MILL BRK CIRC @ 7400' RIH TAG @ 7765'. R/U SWIVEL. D-O SCALE F/7765'-7844' (80' OF SCALE). RIH TAG @ 8330' C-O SD TO 8390'. CIRC CLEAN PULL & LD 30 JTS 2-3/8 SDFN.
- BLOW DN WL LAND TBG ON WL HEAD W/230 JTS 2-3/8 J-55 TBG ND BOP, NU TREE. PMP OFF BIT. RD MOVE.

## STATE 1022-320 RECOMPLETION PROCEDURE

#### **GENERAL:**

- A minimum of 4 tanks of fresh water will be required for the fracturing schedules.
- Perforation depths are from the Halliburton High Resolution Induction Spectral Density Dual Spaced Neutron Log dated May 14, 2004.
- Perforation phasing: 4 spf, 90 degrees.
- 4 fracturing stages required for coverage the Wasatch group only.
- 20/40 mesh sand, 18-20#/1000 gal. gel loading or as specified by service company.
- Scale Inhibitor: Nalco DVO-005, 10 gal/1000 in pre-pad/flush, 3 gal/1000 in pad and half of the ramp.
- Include Schlumberger "Propnet" or BJ "Flexsand" in all fracturing stages per current blending practice, depending upon the service company pumping the job.
- Pop-Offs: Install pop-off valves on the surface/production casing annulus set at 1500 psi.
- Use 500 gal 15% HCL in flush on all stages.
- Maximum surface pressure 7500 psi.

#### **PROCEDURE:**

- 1. MIRU. Kill well as needed. N/D WH, N/U and test BOP. POOH with 2.375" 4.7# J-55 tubing landed at 7433'. Tubing is swung. L/D damaged joints and replace as needed with "yellow band" tubing.
- 2. PU 3.875" bit and tubing and make a cleanout trip to the original 8417' PBTD. Circulate 2% KCL water and POOH.
- 3. Set a 5000 psi CBP at  $\sim$ 4876'. Pressure test BOPs and casing to 7500 psi.
- 4. Perforate the following with 3-3/8" expendable gun, 23 gm, 0.35" hole:

- 5. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 1 in the attached listing. Pump rate reduced to avoid overlying water zone. Under displace to ~4788'.
- 6. Set 5000 psi CBP at 4513'. Perf the following with 3-3/8" expendable gun, 23 gm, 0.35" hole:

- 7. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 in the attached listing. Pump rate reduced to maximize fracture half-length. Under-displace to ~4425'.
- 8. Set 5000 psi CBP at ~4300'.

- 9. TIH with 3 7/8" mill, pump off sub, SN and tubing. Drill out plugs to ~4876' MD. R/U Air Foam Unit, establish circulation and drill out plug. Clean out to PBTD.
- 10. Land tubing at  $\sim$ 7430'. N/D BOPs, N/U WH. Drop ball and shear off bit.
- 11. RDMO

#### L. S. Ashcraft

State 1022-320 (recompletion)
Perforation & CBP Summary

| Zones | Perforations |           | SPF | Length | Holes | Fracture      | Remarks        |
|-------|--------------|-----------|-----|--------|-------|---------------|----------------|
|       | Top, ft.     | Bot., ft. | ]   | ft.    |       | Coverage      |                |
|       | 1            |           |     |        |       |               | 4876' TPBTD    |
| Tw    | 4838         | 4846      | 4   | 8      | 32    | 4710-4917' MD | STAGE 1        |
|       |              |           |     |        |       |               | 5K CBP @ 4513' |
| Tw    | 4475         | 4483      | 4   | 8      | 32    | 4347-4598' MD | STAGE 2        |
|       | 1110         |           |     |        |       |               | 5K CBP @ 4300' |

# Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

| ROUTING |
|---------|
| 1. DJJ  |
| 2 CDW   |

## X Change of Operator (Well Sold)

Operator Name Change/Merger

| The operator of the well(s) listed below has changed, effective:   |                   |              | 1/6/2006      |           |             |
|--|-------------------|--------------|---------------|-----------|-------------|
| FROM: (Old Operator):  | TO: ( New O       |              |               |           |             |
| N2115-Westport Oil & Gas Co., LP   | N2995-Kerr-M      |              | Gae Oneho     | re IP     |             |
| 1368 South 1200 East   |                   | outh 1200    |               | 10, 121   |             |
| Vernal, UT 84078   | Vernal, UT 84078  |              |               |           |             |
| Phone: 1-(435) 781-7024  | Phone: 1-(435)    | •            |               |           |             |
| CA No.   | Unit:             | , 01 . 02 .  |               |           |             |
| WELL NAME SEC TWN RNG  | API NO            | ENTITY       | LEASE         | WELL      | WELL        |
| $1_{\infty}$ .   |                   | NO           | TYPE          | TYPE      | STATUS      |
| OPERATOR CHANGES DOCUMENTATION   | •                 |              |               |           |             |
| Enter date after each listed item is completed   |                   |              |               |           |             |
| 1. (R649-8-10) Sundry or legal documentation was received from the   | FORMER one        | erator on:   | 5/10/2006     | 5         |             |
| 2. (R649-8-10) Sundry or legal documentation was received from the   | <del>-</del>      |              | 5/10/2006     | _         |             |
| 3. The new company was checked on the <b>Department of Commerce</b>  | -                 |              |               | _         | 3/7/2006    |
|  | Business Numb     | •            | 1355743-01    |           | 3/1/2000    |
| 4b. If <b>NO</b> , the operator was contacted contacted on:  | ,                 | ,01.         | 1555775 010   | _         |             |
| 5a. (R649-9-2)Waste Management Plan has been received on:  | IN PLACE          |              |               |           |             |
| 5b. Inspections of LA PA state/fee well sites complete on:   | n/a               | -            |               |           |             |
| 5c. Reports current for Production/Disposition & Sundries on:  | ok                | -            |               |           |             |
| 6. Federal and Indian Lease Wells: The BLM and or the B  | +                 | wed the r    | nerger no     | ne chan   | one.        |
| or operator change for all wells listed on Federal or Indian leases of   |                   | BLM          | 3/27/2006     |           | not yet     |
| 7. Federal and Indian Units:   |                   | DENT         | 5/2//2000     | 2111      | not you     |
| The BLM or BIA has approved the successor of unit operator for   | wells listed on:  | :            | 3/27/2006     |           |             |
| 8. Federal and Indian Communization Agreements ("  | CA"):             |              |               |           |             |
| The BLM or BIA has approved the operator for all wells listed w  | vithin a CA on:   |              | n/a           |           |             |
| 9. Underground Injection Control ("UIC")  The Di   | vision has appro  | oved UIC F   | Form 5, Tran  | sfer of A | uthority to |
| Inject, for the enhanced/secondary recovery unit/project for the wa  | iter disposal wel | ll(s) listed | on:           |           |             |
| DATA ENTRY:  |                   |              |               |           |             |
| 1. Changes entered in the Oil and Gas Database on:   | 5/15/2006         | _            |               |           |             |
| <ol><li>Changes have been entered on the Monthly Operator Change Sp</li></ol>  |                   |              | 5/15/2006     | _         |             |
| 3. Bond information entered in RBDMS on:   | 5/15/2006         | -            |               |           |             |
| 4. Fee/State wells attached to bond in RBDMS on:   | 5/16/2006         | -            |               |           |             |
| 5. Injection Projects to new operator in RBDMS on:   |                   | - ,          | NT 61         | 0.1       |             |
| 6. Receipt of Acceptance of Drilling Procedures for APD/New on:  BOND VERIFICATION:  |                   | n/a          | Name Char     | ige Only  |             |
|  | CO1202            |              |               |           |             |
| 1. Federal well(s) covered by Bond Number:   | CO1203            | -            |               |           |             |
| <ol> <li>Indian well(s) covered by Bond Number:</li> <li>(R649-3-1) The NEW operator of any fee well(s) listed covered by</li> </ol> | RLB0005239        | -            | RLB000523     | 6         |             |
| a. The <b>FORMER</b> operator has requested a release of liability from the  |                   |              | rider adde    | -         |             |
| The Division sent response by letter on:   | n bond oil:       | n/a          | _ 11061 4008  | d KNIG    |             |
| LEASE INTEREST OWNER NOTIFICATION:   |                   | -            |               |           |             |
| 4. (R649-2-10) The <b>FORMER</b> operator of the fee wells has been cont   | acted and inform  | ned by a le  | tter from the | Division  |             |
| of their responsibility to notify all interest owners of this change on  |                   | 5/16/2006    |               |           |             |
| COMMENTS:  |                   |              |               |           |             |
|  |                   |              |               |           |             |

<sup>4</sup> Form 3 160-5 (August 1999)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

6. If Indian, Allottee or Tribe Name

**BUREAU OF LAND MANAGEMENT** 5. Lease Serial No.

| SUNDRY NOTICES |  | REPORTS | ON WELLS |
|----------------|--|---------|----------|
|----------------|--|---------|----------|

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

| ML | JL | TI | Р | LE | L | EΑ | S | F | ۶ |
|----|----|----|---|----|---|----|---|---|---|
|    |    |    |   |    |   |    |   |   |   |

| 7  | If I laid on CA/A managed No 4/- No.     |
|----|--|
| 1. | If Unit or CA/Agreement, Name and/or No. |

| 1. Type of Well  |  |  |   | ····   |                            |                                    |
|--|--|--|---|--|----------------------------|------------------------------------|
| Oil Well X Gas Well  | Other  | 8. Well Na   | 8. Well Name and No.  |  |                            |                                    |
| 2. Name of Operator  |  | MUTIPL   | MUTIPLE WELLS   |  |                            |                                    |
| KERR-McGEE OIL & GAS C   | NSHORE LP  |  |   | 9. API Wel   |                            |                                    |
| 3a. Address  |  | 3b. Phone No   | (include area co  | de)  |                            |                                    |
| 1368 SOUTH 1200 EAST V   |  | (435) 781-70   | 024   | 10. Field and  | 1 Pool, or Exploratory Are | :a                                 |
| 4. Location of Well (Footage, Sec.,  | T., R., M., or Survey Descripti  | on)  |   |  |                            |                                    |
|  |  |  |   | 11. County of  | or Parish, State           |                                    |
| SEE ATTACHED   |  |  |   | UINTAH   | COUNTY, UTAH               |                                    |
|  |  |  | ·   |  |                            |                                    |
|  | ROPRIATE BOX(ES) TO  | INDICATE NA  | TURE OF NOT   | ICE, REPORT, OR  | OTHER DATA                 |                                    |
| TYPE OF SUBMISSION   |  |  | TYPE OF A   | CTION  |                            |                                    |
| Notice of Intent   | Acidize  | Deepen   | ☐ Pro   | duction (Start/Resume                                    | e) Water Shut-Off          |                                    |
| _  | Alter Casing   | Fracture Tre   |   | lamation   | Well Integrity             |                                    |
| Subsequent Report  | Casing Repair  | New Constr   | uction 🔲 Rec  | omplete  | Other CHANGE               | E OF                               |
| C First Abandanian No.   | Change Plans   | Plug and At  | =   | nporarily Abandon  | OPERATOR                   |                                    |
| Final Abandonment Notice  13. Describe Proposed or Completed Oper  | Convert to Injection   | Plug Back  | _   | ter Disposal   |                            |                                    |
| PLEASE BE ADVISED THAT OPERATOR OF THE ATTAC KERR-McGEE OIL & GAS O OF THE LEASE(S) FOR THE IS PROVIDED BY STATE OF  | AND MERCE SHALL BE FILE AT INSPECTION.  F KERR-McGEE OIL & CHED WELL LOCATION OF THE SHALL | GAS ONSHO<br>ONS. EFFEC<br>PONSIBLE U<br>DUCTED UP<br>BOND NO. | uirements, includi<br>ORE LP, IS C<br>TIVE JANUA<br>NDER TERN<br>ON LEASE L | CONSIDERED T<br>RY 6, 2006.<br>IS AND CONDITANDS, BOND C | O BE THE PE                | CEIVED Y 1 0 2006 IL, GAS & MININC |
| 14. I hereby certify that the foregoing  | is true and correct  |  | Division of   | Oll, Gas and M   | tning                      | <del></del>                        |
| Name (Printed/Typed)   |  | Title  |   | ssell, Engineerir  | ng Technician              |                                    |
| RANDY BAYNE  |  |  | MANAGER   |  |                            |                                    |
| Kanky Sayne  |  | Date<br>May 9, 20  | 06  |  |                            |                                    |
| 7 1 1  | THIS SPACE   | FOR FEDERA   |   | SE   |                            |                                    |
| Approved by  |  | Title  |   | Date   |                            | <u></u>                            |
| Conditions of approval, if any, are attached certify that the applicant holds legal or equit which would entitle the applicant to conduct Title 18 U.S.C. Section 1001, make | able title to those rights in the sub<br>operations thereon.   | ect lease  |   | ny danarimani au ana                                     | may of the United Care     |                                    |
| false, fictitious or fraudulent statemen   | its or representations as to any   | matter within its  | jurisdiction.   | ny department or age                                     | arcy of the United States  | any                                |
| (Instructions on reverse)  |  |  |   |  |                            |                                    |

Form 3 160-5 (August 1999)

### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

5. Lease Serial No.

#### **SUNDRY NOTICES AND REPORTS ON WELLS**

MULTIPLE LEASES

| Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.   | 6. If Indian, Allottee or Tribe Name   |  |
|---|--|--|
| SUBMIT IN TRIPLICATE – Other instructions on reverse side   | 7. If Unit or CA/Agreement, Name and/or No.  |  |
| 1. Type of Well   |  |  |
| Oil Well X Gas Well Other   | 8. Well Name and No.   |  |
| 2. Name of Operator   | MUTIPLE WELLS  |  |
| WESTPORT OIL & GAS COMPANY L.P.   | 9. API Well No.  |  |
| 3a. Address 3b. Phone No. (include area code)   |  |  |
| 1368 SOUTH 1200 EAST VERNAL, UT 84078 (435) 781-7024  | 10. Field and Pool, or Exploratory Area  |  |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  |  |  |
| DEE ATTAQUED  | 11. County or Parish, State  |  |
| SEE ATTACHED  | UINTAH COUNTY, UTAH  |  |
| 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, R   | EPORT, OR OTHER DATA   |  |
| TYPE OF SUBMISSION TYPE OF ACTION   | TYPE OF ACTION   |  |
| Notice of Intent  Acidize Deepen Production Alter Casing Fracture Treat Reclamatio  | (Start/Resume) Water Shut-Off  Well Integrity  |  |
| Subsequent Report Casing Repair New Construction Recomplete   |  |  |
| Change Plans Plug and Abandon Temporarily Final Abandonment Notice Convert to Injection Plug Back Water Disp  |  |  |
| If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Require following completion of the involved operations. If the operation results in a multiple completion or recompletion is testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclaim determined that the site is ready for final inspection. | ed subsequent reports shall be filed within 30 days na new interval, a Form 3160-4 shall be filed once nation, have been completed, and the operator has |  |
| EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RITHE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGE  |  |  |
| ONSHORE LP. APPROVED 5/6/06   |  |  |
| 0   | RECEIVED   |  |
| Carlese Russell Division of Oil, Gas and Mining   | MAY 1 0 2006   |  |
| Earlene Russell, Engineering Technician   |  |  |
| 14. I hereby certify that the foregoing is true and correct   | DIV OF OIL GAS & MINING  |  |
| Name (Printed/Typed)  Title   |  |  |
| BRAD LANEY ENGINEERING SPECIALIS  | Т  |  |
| Signature Date  |  |  |
| May 9, 2006   |  |  |
| ·   |  |  |
| May 9, 2006   | Date 5-9-06  |  |

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

which would entitle the applicant to conduct operations thereon.



Kerr-McGee Oil & Gas OnShore LP

1999 Broadway, Suite 3700, Denver, Colorado 80202 303-296-3600 • Fax 303-296-3601

sent via certified mail

Bayless, Robert L., Producer LLC Attn: C. Jay Turner 621 17<sup>th</sup> Street, Suite 2300 Denver, CO 80293

RE: Notice of Commingling

State 1022-32O Sec. 32: T10S-R22E Uintah, County, Utah

Dear Mrs. C. Jay Turner:

enclosure

Pursuant to DOGM Rule 649-3-22 "Completion Into Two or More Pools," please find enclosed a copy of the sundry to be submitted to DOGM for approval.

Sincerely,

KERR-McGEE OIL & GAS ONSHORE LP

W. Chris Latimer, CPL Landman Specialist

RECEIVED MAY 1 9 2006

DIV. OF OIL, GAS & MINING

| STATE OF UTAH | ) |   |
|---------------|---|---|
|               |   | ) |

#### COUNTY OF UINTAH )

#### **AFFIDAVIT**

W. Chris Latimer, of lawful age, and being first duly sworn upon oath, deposes and says:

SS

He is the Senior Landman of Kerr-McGee Oil & Gas Onshore LP, of Denver, Colorado. Kerr-McGee Oil & Gas Onshore LP is the operator of the following described well:

## STATE 1022-320 629' FSL-2,037' FEL (SW/SE) SECTION 32, T10S-R22E UINTAH COUNTY, UTAH

Kerr-McGee Oil & Gas Onshore LP and Bayless Producer LLC are the only owners in the well and/or of all the contiguous oil and gas leases or drilling units overlying the pool.

On the 15<sup>th</sup> day of May, 2006 he placed in the United States mail, with postage prepaid, a copy of the attached Application for Commingling in one wellbore for the subject well.

Said envelope which contained these instruments was addressed to the Utah Division of Oil, Gas & Mining, Bureau of Land Management, and Bayless Producer LLC.

Further affiant saith not.

W. Chris Latimer, CPL

Senior Landman

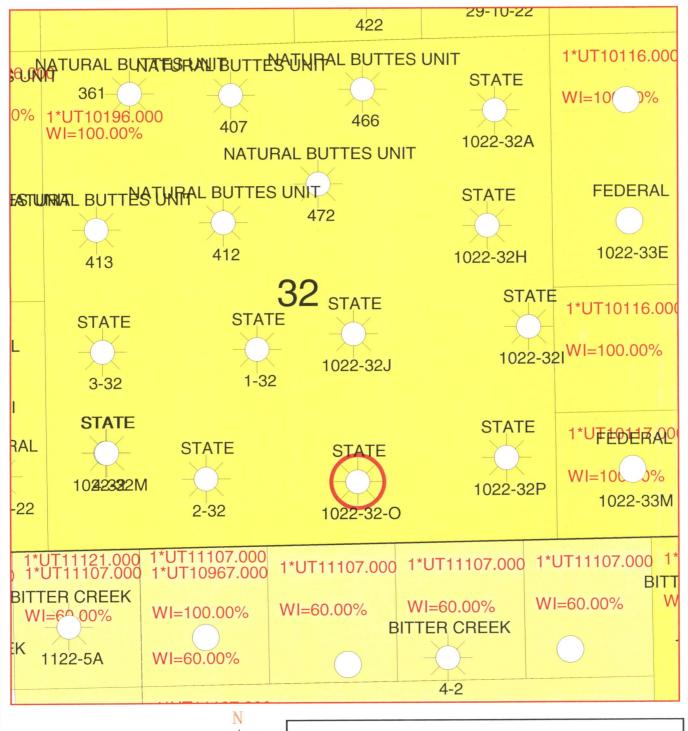
Subscribed and sworn before me this 15<sup>th</sup> day of May, 2006.

JODI DOLLARD
NOTARY PUBLIC
STATE OF COLORADO

My Commission Expires Aug. 16, 2009

Notary Public

My Commission Expires: August 16, 2009







State 1022-320

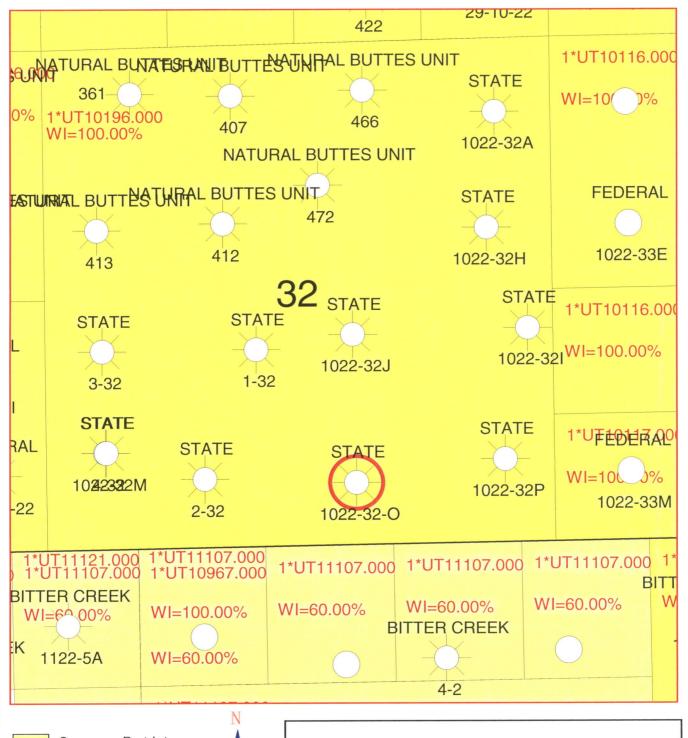


## EX

# EXHIBIT "A" Commingling Application UINTAH COUNTY, UTAH

KERR McGEE ROCKY MOUNTAIN CORP

|                         | 0                  | Date:<br>May 11, 2006              |
|-------------------------|--------------------|------------------------------------|
| Project: RM – Utah(New) | Scale:<br>1"=1000' | Commingling State 1022-<br>32O.gmp |





Company Full Int.

State 1022-320



# KERR McGEE ROCKY MOUNTAIN CORP

# EXHIBIT "A" Commingling Application UINTAH COUNTY, UTAH

| Author:<br>Ben Gonzales II |                    | Date:<br>May 11, 2006              |
|----------------------------|--------------------|------------------------------------|
| Project: RM – Utah(New)    | Scale:<br>1"=1000' | Commingling State 1022-<br>32O.gmp |

## STATE OF UTAH

| DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING   | 5. LEASE DESIGNATION AND SERIAL NUMBER:   |
|---|---|
| DIVIDION OF OIL, CARDANIA   | ML-22798  |
| SUNDRY NOTICES AND REPORTS ON V   | ELLS  6. IF INDIAN, ALLOTTEE OR TRIBE NAME:   |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-h<br>drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such p | roposals.   |
| 1. TYPE OF WELL OIL WELL GAS WELL OTHER   | 8. WELL NAME and NUMBER: STATE 1022-320   |
| 2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP  | 9. API NUMBER:<br>4304735315  |
| 3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078  | PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES  |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 629'FSL, 2037'FEL  | COUNTY: UINTAH  |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 32 10S 22E  | STATE: UTAH   |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATU  | RE OF NOTICE, REPORT, OR OTHER DATA   |
| TYPE OF SUBMISSION  | TYPE OF ACTION  |
| Approximate date work will start:  CASING REPAIR  CHANGE TO PREVIOUS PLANS  OPE   | REPERFORATE CURRENT FORMATION  CTURE TREAT  CONSTRUCTION  TEMPORARILY ABANDON  RATOR CHANGE  TUBING REPAIR  SAND ABANDON  VENT OR FLARE |
| SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:  CHANGE WELL NAME  CHANGE WELL STATUS  PRO COMMINGLE PRODUCING FORMATIONS  REC   | B BACK WATER DISPOSAL DUCTION (START/RESUME) WATER SHUT-OFF  AMATION OF WELL SITE OTHER: RECOMPLETION  DMPLETE - DIFFERENT FORMATION    |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent det   | ails including dates, depths, volumes, etc.   |
| A RECOMPLETION WAS PERFORMED ON THE SUBJECT WEL<br>BACK ON PRODUCTION ON 05/18/2006 AT 2:00 PM.   | L LOCATION. THE WELL LOCATION WAS PLACED  |
| PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL   | HISTORY   |
| FLEAGE NEI EN TO THE ATTACHED OF MONOCOGIONE WELL   |   |
| NAME (PLEASE PRIMT) SAPILA UPCHEGO SIGNATURE  | TITLE REGUALTORY ANALYST  DATE 5/23/2006  RECEIVED  |
| (This space for State use only)   | MAY 3 0 2006  |

DIV. OF OIL, GAS & MINING

## KERR McGEE OIL & GAS ONSHORE, LP 1368 South 1200 East Vernal, UT 84078 CHRONOLOGICAL HISTORY

## STATE 1022-32O

## RECOMPLETION

05/12/06

PROG: 1:00 P.M. HSM

ROAD RIG & EQUIP F/ NBU 921-25D TO LOC. MIRU. 400 # FTP, 400 # FCP BLEED # OFF.

NDWH. NUBOPE.

PROG: 5/10/06 7:00 A.M. HSM

500# SICP. BLEED # OFF. MIRU ONDEO CHEM. PMP 4 BBLS 15% HCL DN TBG. (PICKLE). DISPLACE TO EOT W/ 40 BBLS 2% KCL. PMP 160 BBLS 2% KCL DN CSG TO KILL WL. POOH STAND BACK TBG. L/D BHA. (TBG EXTREMLY CLEAN). NDBOPE. NU FRAC VLV'S. MIRU CUTTERS. P/U 4-1/2" BAK 10K CBP & RIH. SET CBP @ 4876'. POOH. MIRU B&C QUICK TST. FILL CSG W/ 75 BBLS 2% KCL. PSI TST CSG & FRAC VLV'S TO 7500# (HELD). RDMO B&C. RU CUTTERS. P/U 3-1/8" HSC PERF GUNS LOADED W/ 12 GM CHARGES. 4 SPF, 90 DEG PHSG & RIH. SHOOT 32 HOLES F/ 4475' -83'. POOH RDMO CUTTERS. PREP TO FRAC

PROG: 5/11/06 RIG ON STDBY

05/15/06

PROG: MIRU SCHLUMBERGER & CUTTERS WIRELING SERVICE. HSM. ALL STAGES WILL USE NALCO DVO-005 SCALE INHIBITOR (10 GPT IN FLUSH, 3 GPT IN PAD THRU' MID SAND) ALL PERFORATIONS WILL USE 3-3/8" GUNS (23 Gm CHG, 0.35" HOLE, 90 DEGREE PHASING, 42" PENE AND 4 SPF.) PRES TEST SURF LINES TO 8500 PSI (HELD).

STAGE 1: 8:00 AM. OPEN: 340#, BRK: 2604#, ISIP: 1070#, FG: 0.66. EST RATE: 20.3 BPM @ 2300#. FRAC STAGE AS PER DESIGN W/YF120ST+ GEL. START PROP NET @ 65,000 LBS SND (3 SX). TOT SND: 86,000 LBS, TOT FL: 756 BBL, ISIP: 2680#, FG: 0.99, NPI: 1610#. MR: 21.0 BPM, MP: 3112#, AR: 19.3 BPM, AP: 2417#.

STAGE 2: MU CWLS. PU 4.5" BAKER 8K CBP & 3-3/8" PERF GUN. RIH, SET CBP @4502', PU, ATTEMPT TO PERF: 4475-83', GUN WOULD NOT FIRE. POOH, REHEAD. RIH, SHOOT PERFS, 4 SPF, TOT OF 32 HOLES. POOH, LD WL TLS. MU D/S. OPEN: 200#, BRK: 2613#, ISIP: 930#. EST RATE: 20.4 BPM @ 2150#. FRAC STAGE AS PER DESIGN W/YF118ST+ GEL. START PROP NET @ 80,000 LBS SD (3 SX). TOT SD: 97,100 LBS. TOT FL: 775 BBL, ISIP:2260#, FG: 0.94, NPI: 1330#. MR: 20.8 BPM, MP: 2605#, AR: 19.8 BPM, AP: 2108#. MU CWLS, PU BAKER 4.5" CBP, RIH, SET CBP @ 4413'. POOH, LD WL TLS. RDMO CWLS & SCHLUMBERGER. RD RIG FLR. ND FRAC VALVES, NU BOP. PU 3-7/8" ROCK BIT, FE POBS. RIH W/BIT, SUB & TBG. TAG KILL PLUG @ 4413'. POOH, LD 3 JTS TBG ON FLOAT. X-OVER EQUIP FROM TBG TO DRLG. PREP TO DRL OUT PLUGS & FOAM IN MORNING.

05/16/06

PROG: 7:00 A.M. HSM MIRU WEATHERFORD AIR FOAM UNIT. CONT TO RIH W/ TBG TAG FILL @ 4403' (10' FILL). R/U DRL EQUIP, R/U PMP & LINES. BRK CONV CIRC W/

2% KCL. BEG TO DRL. C/O SAND TO KILL PLUG @ 4413'.

DRL UP 1ST CBP IN 15 MIN. (200# PSI INC). CONT TO RIH. TAG FILL @ 4472', (30' FILL). C/O TO 2ND CBP @ 4502'.

DRL UP 2ND CBP IN 15 MIN. (100# PSI INC). CONT TO RIH. TAG FILL @ 4846', (30' FILL). C/O TO 3RD CBP @ 4876'.

DRL UP 3RD CBP IN 8 MIN. WL WENT ON VACCUM. R/D DRL EQUIP. CONT TO RIH W/TBG. TAG FILL @ 7505'. R/U DRL EQUIP. BRK CONV CIRC W/ AIR FOAM UNIT (1 HR). & BEG TO DRL. C/O 153' SCALE. FELL FREE @ 7668'. R/D DRL EQUIP & CONT TO RIH. P/U TBG OFF TRAILER. TAG SCALE @ 8185', (195' SCALE) R/U DRL EQUIP & CONT TO DRL C/O TO PBTD @ 8380'. CIRC WL CLEAN FOR 30 MIN. POOH L/D 30 JTS TBG. LUBRICATE TBG HANGER INTO WL. LAND TBG W/ EOT @ 7450'. NDBOP, NUWH. PMP 5 BBLS 2% KCL. DROP BALL. PMP OFF THE BIT SUB @ 2000#, (AIR FOAM UNIT). UNLOAD KILL FLUID. X-O FOAM WL DN CSG UP TBG TILL GOOD RETURNS. TURN OVER TO FLW BK CREW. RDMO WEATHERFORD.

SICP 750# FTP 50 OPEN CHOKE

PROG:WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1250#, TP: 750#, 20/64 CHK, 14 BWPH, 15 HRS, SD: TRACE, TTL BBLS FLWD:281 BBLS, TODAYS LTR: N/A BBLS, LOAD REC TODAY: 281 BBLS, REMAINING LTR: -281 BBLS, TOTAL LOAD REC TO DATE: 281 BBLS.

05/17/06

PROG:WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1325#, TP: 725#, 20/64 CHK, 10 BWPH, 15 HRS, SD: TRACE, TTL BBLS FLWD:240 BBLS, TODAYS LTR: -281 BBLS, LOAD REC TODAY: 240 BBLS, REMAINING LTR: -521 BBLS, TOTAL LOAD REC TO DATE: 521 BBLS.

05/23/06

ON SALES

05/21/06: 268 MCF, 2 BC, 445 BW, TP: 75#, CP: 1318#, 16/64 CHK, 24 HRS, LP: 62#.

AMENDED REPORT FORM 8 STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES (highlight changes) 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING ML-22798 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG 7. UNIT or CA AGREEMENT NAME 1a. TYPE OF WELL: GAS VFII OTHER WELL 8. WELL NAME and NUMBER b. TYPE OF WORK: OTHER RECOMPLETE **STATE 1022-320** HORIZ. DEEP-DIFF. RESVR. RE-ENTRY 9. API NUMBER: 2 NAME OF OPERATOR 4304735315 KERR McGEE OIL & GAS ONSHORE LP 10 FIELD AND POOL, OR WILDCAT PHONE NUMBER: 3. ADDRESS OF OPERATOR: **NATURAL BUTTES** STATE UT ZIP 84078 (435) 781-7024 1368 S 1200 E CITY VERNAL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 629'FSL, 2037'FEL SWSE 32 10S 22E AT TOP PRODUCING INTERVAL REPORTED BELOW: 13. STATE 12. COUNTY UTAH AT TOTAL DEPTH: UINTAH 17. ELEVATIONS (DF, RKB, RT, GL): 15. DATE T.D. REACHED: 16. DATE COMPLETED: 14 DATE SPUDDED ABANDONED READY TO PRODUCE 🚺 5555'GL 4/5/2004 5/14/2004 5/18/2006 21. DEPTH BRIDGE MΩ 19. PLUG BACK T.D.: MD 8.455 20. IF MULTIPLE COMPLETIONS, HOW MANY? \* 18. TOTAL DEPTH: 8.460 PLUG SET TVD 22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) NO 🔽 (Submit analysis) YES WAS WELL CORED? N/A NO 🗸 (Submit report) WAS DST RUN? YES YES [ (Submit copy) DIRECTIONAL SURVEY? мо 🔽 24. CASING AND LINER RECORD (Report all strings set in well) SLURRY VOLUME (BBL) STAGE CEMENTER CEMENT TYPE & CEMENT TOP \*\* AMOUNT PULLED BOTTOM (MD) WEIGHT (#/ft.) TOP (MD) HOLE SIZE SIZE/GRADE DEPTH NO. OF SACKS 20" 40 14" STL 50# 20" 1,630 580 32.3# 9 5/8 H-40 12 1/4" 1810 8.460 7 7/8" 4 1/2 11.6# 1-80 25. TUBING RECORD PACKER SET (MD) DEPTH SET (MD) SIZE DEPTH SET (MD) PACKER SET (MD) SIZE PACKER SET (MD) SIZE DEPTH SET (MD) 7.450 2 3/8 27. PERFORATION RECORD 26. PRODUCING INTERVALS PERFORATION STATUS SIZE NO. HOLES TOP (TVD) BOTTOM (TVD) INTERVAL (Top/Bot - MD) FORMATION NAME TOP (MD) BOTTOM (MD) 4.846 0.35 23 Open 🗸 Saueezed 4.475 4,475 4,846 (A) WASATCH Open (B) (C) (D) 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. AMOUNT AND TYPE OF MATERIAL DEPTH INTERVAL PMP 1531 BBLS YF118ST, 120ST & 183,100# 20/40 SD 4475'-4846' 30. WELL STATUS: 29. ENCLOSED ATTACHMENTS: DIRECTIONAL SURVEY GEOLOGIC REPORT DST REPORT ELECTRICAL/MECHANICAL LOGS PROD OTHER: SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS

| 31. INITIAL PRO                 | ODUCTION                        |                       |                      |                        | INT   | ERVAL A (As sho          | wn in item #26)              |                            |                   |               |                      |                          |                        |
|---------------------------------|---------------------------------|-----------------------|----------------------|------------------------|---|--------------------------|------------------------------|----------------------------|-------------------|---------------|----------------------|--------------------------|------------------------|
|                                 |                                 |                       | TEST DATE: 5/25/2006 |                        | HOURS TESTED: 24                                  |                          | TEST PRODUCTION RATES: →     | OIL – BBL:                 | GAS - MCF:<br>347 | WATER -       |                      | PROD. METHOD:<br>FLOWING |                        |
| CHOKE SIZE: 20/64               | TBG. PRESS                      | S. CSG. PRI           |                      | AVITY                  | BTU – GAS GAS/OIL RATIO 24 HR PRODUCTION RATES: → |                          | OIL - BBL:                   | GAS - MCF: 347             | WATER -           |               | INTERVAL STATUS PROD |                          |                        |
|                                 | <u></u>                         |                       |                      | -                      | INT   | ERVAL B (As sho          | wn in item #26)              |                            |                   |               |                      |                          |                        |
| DATE FIRST PRODUCED: TEST DATE: |                                 |                       | HOURS TESTED:        |                        | TEST PRODUCTION RATES: →                          | OIL - BBL:               | GAS - MCF:                   | WATER - BBL:               | - BBL:            | PROD. METHÓD: |                      |                          |                        |
| CHOKE SIZE:                     | TBG. PRESS                      | S. CSG. PRI           | ESS. API GR          | AVITY                  | BTU - GAS   | GAS/OIL RATIO            | 24 HR PRODUCTION<br>RATES: → | OIL - BBL:                 | GAS MCF:          | WATER + BBL:  |                      | INTERVAL STATUS          |                        |
|                                 | <u>.l.</u>                      |                       |                      |                        | INT   | ERVAL C (As sho          | wn in item #26)              |                            |                   |               |                      |                          |                        |
| DATE FIRST PF                   | RODUCED:                        | TEST DA               | TE:                  |                        | HOURS TESTED                                      | <b>D</b> :               | TEST PRODUCTION RATES: →     | OIL BBL:                   | GAS - MCF:        | WATER -       | - BBL:               | PROD. METHOD:            |                        |
| CHOKE SIZE:                     | TBG. PRES                       | S. CSG. PR            | ESS. API GR          | AVITY                  | BTU – GAS   | GAS/OIL RATIO            | 24 HR PRODUCTION<br>RATES: → | ON OIL - BBL: GAS - MCF: W |                   | WATER -       | - BBL:               | INTERVAL STATUS          |                        |
|                                 |                                 |                       |                      | -                      | INT   | ERVAL D (As sho          | wn in item #26)              | <del></del>                |                   | A.::          |                      |                          |                        |
| DATE FIRST PE                   | DATE FIRST PRODUCED: TEST DATE: |                       |                      | HOURS TESTED:          |   | TEST PRODUCTION RATES: → | OIL - BBL:                   | GAS - MCF:                 | WATER -           | - BBL:        | PROD. METHOD:        |                          |                        |
| CHOKE SIZE:                     | TBG. PRES                       | S. CSG. PR            | ESS. API GF          | AVITY                  | BTU – GAS   | GAS/OIL RATIO            | 24 HR PRODUCTION<br>RATES: → | N OIL - BBL:               | GAS MCF:          | WATER -       | - BBL:               | INTERVAL STATUS          |                        |
| 32. DISPOSITION                 | ON OF GAS (S                    | l<br>Sold, Used for F | uel, Vented, Et      | c.)                    | .,  | <u> </u>                 | 1                            |                            |                   |               |                      |                          |                        |
| 33. SUMMARY                     | OF POROUS                       | ZONES (Includ         | e Aquifers):         |                        |   |                          |                              | 34. FORMATION              | (Log) MARKERS:    |               |                      |                          |                        |
|                                 | ant zones of po                 | prosity and conte     | ents thereof: Cor    | ed interva<br>ures and | als and all drill-sten<br>recoveries.             | n tests, including d     | epth interval                |                            |                   |               |                      |                          |                        |
| Formati                         | ion                             | Top<br>(MD)           | Bottom<br>(MD)       |                        | Descrip   | otions, Contents, et     | etc.                         |                            | Name              |               | Name (Mea            |                          | Top<br>Measured Depth) |
| WASATC<br>MESAVE                |                                 | 3,991<br>6,408        | 6,408                |                        |   |                          |                              |                            |                   |               |                      |                          |                        |

35. ADDITIONAL REMARKS (Include plugging procedure)

| 36. | hereby certify that the foregoing and attached information is complete and correct as determined from all available records. |
|-----|--|
|     |  |

NAME (PLEASE PRINT) SHEILA UPCHEGO
SIGNATURE

TITLE REGULATORY ANALYST

DATE 6/19/2006

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- · reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests
- \* ITEM 20: Show the number of completions if production is measured separately from two or more formations.
- \*\* ITEM 24: Cement Top Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

| STATE OF UTAH  | 1 511111 5   |
|--|--|
| DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING  | 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22798   |
| SUNDRY NOTICES AND REPORTS ON W  | ELLS 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:   |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole   | depth, reenter plugged wells, or to  |
| 1. TYPE OF WELL  OIL WELL  GAS WELL  OTHER  OTHER  | 8. WELL NAME and NUMBER: STATE 1022-320  |
| 2. NAME OF OPERATOR:   | 9. API NUMBER:<br>4304735315   |
| KERR McGEE OIL & GAS ONSHORE LP  3. ADDRESS OF OPERATOR:   | PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT:  |
| 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078  | (435) 781-7024 NATURAL BUTTES  |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 629'FSL, 2037'FEL   | COUNTY: UINTAH   |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 32 10S 22E   | STATE: UTAH  |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATUR  | RE OF NOTICE, REPORT, OR OTHER DATA  |
| TYPE OF SUBMISSION   | TYPE OF ACTION   |
| ACIDIZE DEEPI  | EN REPERFORATE CURRENT FORMATION   |
| NOTICE OF INTENT (Submit in Duplicate)  ALTER CASING  FRAC   | TURE TREAT SIDETRACK TO REPAIR WELL  |
| Approximate date work will start: CASING REPAIR NEW (  | CONSTRUCTION TEMPORARILY ABANDON   |
|  | ATOR CHANGE TUBING REPAIR  |
|  | AND ABANDON VENT OR FLARE  |
|  | BACK WATER DISPOSAL  |
| (Submit Original Form Only)  |  |
| Date of work completion:   |  |
| COMMINGLE PRODUCING FORMATIONS RECL  | AMATION OF WELL SITE OTHER: MAINTENANCE  OMPLETE - DIFFERENT FORMATION   |
|  |  |
| 08/03/06 MIRU PUMP 25 BBL'S DWN TBG & 25 BBL'S DWN CSG PU 3.62 GAUGE RING. RIH TO 5000'.POOH PU 4 1/2" 8-K COMP @4732'. TST TBG TO 1500#. PMP 30 BBL'S INTO PERF'S @4838 EOT @4612'. 08/04/06 SQZ. PU 4 JT'S, STING INTO CICR @473 600#. MIX 41 BBL'S OF GLASS G CEMENT. PUMP 22 BBL'S INTO PERF'S @4838. PMP DWN CSG W/ RIG PMP @ 3 BBL'S PER MIN AND STING OF PERF'S @4475-83'. FLUSH TBG & CSG AND DISP TO 4483'. POW 4377'. RU BIG 4 CEMENTERS. PUMP 10 BBL'S FRESH WTR A 9.5 BBL'S IN PERF'S. PRESS UP ONE MORE TIME TO 2000#. PLW/TBG AND STINGER 08/07/06 DRILL COLLER,S NO PRESS ON RIH, TAG CMT @4341' RU,CURC W/ RIG PMP. C/O 36' CMT TO HARD DRILLING) CIRC WELL CLEAN 08/08/06 NO PRESS ON WELL CLEAN. PTST TO 1000 # FOR 10 MIN'S (GOOD). FELL O 4700'. C/O TO 4732'. TAG CICR. DRILL OUT CICR IN 3 HR'S. C CLEAN. TEST CSG TO 1000# FOR 10 MN'S (GOOD). RACK OUT COLLAR'S. 5:00 PM: SWI, SDFN. USED 30 BBL'S 2 % KCL WTF | .ND WH, NU 5000# BOP'S POOH W/ TBG & TALLY. RU PLG.SET PLG @4950'. POOH PU 4 1/2" CICR.SET CICR B' - 46' @3 BBL'S PER MIN' @600 #. PULL OUT OF CICR. 2'. RU CMTR PMP 10 BBL'S FRESH WTR @3 BPM & D PERFS @ 4838 - 46' AND PRESSURED UP TO 3000#. UT OF CICR. FLUSH TBG W/19 BBL'S. PULL ABOVE OH W/ TBG & STINGER. PU 2ND 4-1/2" CICR. RIH & SET AND 15 BBL'S CLASS G CEMENT. SD FOR 5 MIN WITH JLL OUT OF CICR. REVERSE CIRC W/34 BBL'S. POOH N WELL, PU, 3 7/8" BIT W/ 4 3 1/8" DRILL COLLER,S. D CICR, @4377 C/O TO 4472' (MADE 131' FOR DAY WELL. START CIRC W/ RIG PMP. C/O TO 4690'. CIRC OUT OF HARD CEMENT @ 4680'. RIH TAG CEMENT @ 4686'. FELL OUT OF CEMENT. CIRC HOLE T SWIVEL. LD 16 JT'S ON TRAILER, POOH TO |
| NAME (PLEASE PRINT), SHEILA UPCHEGO  | TITLE REGULATORY ANALYST   |
| NAME (PLEASE PRINTY)   | 8/25/2006  |
| SIGNATURE // WWW // WWW//  |  |

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STATE 1022-32O 4304735315 SWSE SEC. 32, T10S, R22E 629'FSL, 2037'FEL

RE: MAINTENANCE WORK CONTINUE.

08/09/06 PROG: 7:00 AM, TAIL GATE, OVER HEAD LOADS, NO PRESS, ON WELL, LD, 4 DRILL COLLERS AND TOOL'S. PU, 3 7/8" BIT W/R - NIPPEL AND P,O,B,S, RIH, TAG, COM, PLUG @ 4950' RU, SWIVEL ESTABLISH CURC, W/ RIG PUMP DRILL OUT PLUG IN 10 MIN'S HANGE BACK SWIVEL, FINISH RIH, TAG, @ 8318', RU, SWIVEL AND FOAMING UINT. ESTABLISH CURC, W/ FOAMING UINT, C/O TO 8382' TOTAL OF 64'. CIRC WELL CLEAN, RACK OUT SWIVEL LD, 28 JT'S ON TRAILER, LAND TBG, @7444'. ND, BOP'S AND EQUIP, DROP BALL, NU, WELL HEAD.PUMP 27 BBL'S PUMP BIT OFF @ 1000# PU, SWAB W/ 1.995 BROACH, RIH, TO 7400' (NO SCALE) POOH W/ BROACH. 5:30 PM, S,W,I S,D,F,N. USED 132 BBL'S 2% KCL, WTR, FOR DAY.542 TOTAL RECOVERED 250 BBL'S 292 LEFT TO RECOVER

STATE OF UTAH

|  | 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22798  |   |                                  |   |  |  |
|--|---|---|----------------------------------|---|--|--|
| SUNDR  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:   |   |                                  |   |  |  |
| Do not use this form for proposals to dri<br>drill horizonta | II new wells, significantly deepen existing wells below cur                             | rent bottom-hole dep<br>form for such proposa | th, reenter plugged wells, or to | 7. UNIT or CA AGREEMENT NAME:   |  |  |
| 1. TYPE OF WELL OIL WEL                                      | L GAS WELL 🗸 OTHER_   |   |                                  | 8. WELL NAME and NUMBER:<br>STATE 1022-320  |  |  |
| 2. NAME OF OPERATOR:<br>KERR McGEE OIL & GA                  | AS ONSHORE LD   |   |                                  | 9. API NUMBER:<br>4304735315  |  |  |
| 3. ADDRESS OF OPERATOR:                                      |   | 94079   | PHONE NUMBER: (435) 781-7024     | 10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES  |  |  |
| 1368 SOUTH 1200 EAST 4. LOCATION OF WELL                     | YERNAL STATE UT ZIP   | 04070   | (433) 701-7024                   | With the Bollie   |  |  |
| FOOTAGES AT SURFACE: 629'I                                   | FSL, 2037'FEL   |   |                                  | COUNTY: UINTAH  |  |  |
| QTR/QTR, SECTION, TOWNSHIP, R                                | ANGE, MERIDIAN: SWSE 32 10S 2   | 22E   |                                  | STATE: UTAH   |  |  |
| 11. CHECK API  | PROPRIATE BOXES TO INDICAT  | E NATURE                                      | OF NOTICE, REPO                  | RT, OR OTHER DATA   |  |  |
| TYPE OF SUBMISSION   |   | T   | YPE OF ACTION                    |   |  |  |
| NOTICE OF INTENT   | ACIDIZE   | DEEPEN  |                                  | REPERFORATE CURRENT FORMATION   |  |  |
| (Submit in Duplicate)  | ALTER CASING  | FRACTURE                                      | TREAT                            | SIDETRACK TO REPAIR WELL  |  |  |
| Approximate date work will start:                            | CASING REPAIR   | NEW CONS                                      | STRUCTION                        | TEMPORARILY ABANDON   |  |  |
|  | CHANGE TO PREVIOUS PLANS  | OPERATOR                                      | RCHANGE                          | TUBING REPAIR   |  |  |
|  | CHANGE TUBING   | PLUG AND                                      | ABANDON                          | VENT OR FLARE   |  |  |
| SUBSEQUENT REPORT  | CHANGE WELL NAME  | PLUG BACI                                     | <                                | WATER DISPOSAL  |  |  |
| (Submit Original Form Only)                                  | CHANGE WELL STATUS  | PRODUCTI                                      | ON (START/RESUME)                | WATER SHUT-OFF  |  |  |
| Date of work completion:                                     | COMMINGLE PRODUCING FORMATIONS  | RECLAMAT                                      | TION OF WELL SITE                | OTHER: MAINTENANCE  |  |  |
|  | CONVERT WELL TYPE   | RECOMPLE                                      | ETE - DIFFERENT FORMATION        |   |  |  |
| KILL ND WELLHEAD.  | ETO LOC . BLOW WELL DOWN. I<br>NU BOP. BROKE OFF LANDING<br>23/8" TBG . FOUND JT CROSSE | PIN. CALL C                                   | OUT CAMERON W/ I                 | 30 BBLS 2% KCL DOWN TBG TO<br>NEW PIN & PACKING. CHANGED<br>NO TAG . POOH W/ BROACH . |  |  |
|  |   |   |                                  | RECEIVED NOV 0 7 2006   |  |  |
|  |   |   |                                  |   |  |  |
|  |   |   |                                  | DIV. OF OIL, GAS & MINING   |  |  |
| NAME (PLEASE PRINT) SHEILA                                   | UPCHEGO   | TIT   | LE REGULATORY                    | ·   |  |  |

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### FORM 9

| DEPARTMENT OF NATURAL RESOURCES   | 1 Order 5  |
|---|--|
| DIVISION OF OIL, GAS AND MINING   | 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22798   |
| SUNDRY NOTICES AND REPORTS ON WELLS   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  | 7. UNIT or CA AGREEMENT NAME:  |
| 1. TYPE OF WELL OIL WELL GAS WELL OTHER   | 8. WELL NAME and NUMBER:<br>STATE 1022-320   |
| 2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP  | 9. API NUMBER: 4304735315  |
| 3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT 21P 84078 PHONE NUMBER: (435) 781-7024  | 10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES   |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 629'FSL, 2037'FEL  QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 32 10S 22E  | COUNTY: UINTAH  STATE:  UTAH   |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO  | RT, OR OTHER DATA  |
| TYPE OF SUBMISSION TYPE OF ACTION   |  |
| NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  CASING REPAIR  CHANGE TO PREVIOUS PLANS  DEEPEN  FRACTURE TREAT  NEW CONSTRUCTION  OPERATOR CHANGE  CHANGE TUBING  PLUG AND ABANDON  | REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR VENT OR FLARE   |
| SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:  CHANGE WELL NAME  CHANGE WELL STATUS  PRODUCTION (START/RESUME)  COMMINGLE PRODUCING FORMATIONS  RECLAMATION OF WELL SITE  CONVERT WELL TYPE  RECOMPLETE - DIFFERENT FORMATION  | WATER DISPOSAL  WATER SHUT-OFF  ✓ OTHER: MAINTENANCE   |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume 09/24/07 MIRU POOH RUSU. FTP 150, FCP 150. BWD. ND WH. NU BOP. RU FLOOR. WPACKING GLAND. ABLE TO REPAIR. UNLAND TBG FROM 7444' AND LD HANGER. PO FOUND HOLE IN JT #138 AT 4450'. BTM JT PLUGGED W/ SCALE/CMT. CONTROL WELPOBS, 1.87" 'R' NIPPLE ON 2-3/8" J-55 TBG AND RIH AS TALLY W/ 150 JTS. EOT 4880'. RUN 1.90" BROACH ON SANDLINE TO EOT AT 4880'. GOOD. RD SANDLINE. CONT RIF 1.87" 'R' NIPPLE ON 2-3/8" J-55 TBG. CONTROL TBG W/ 10 BBLS AS RIH. TAG SCALE SWIVEL AND START FOAM. 65 MIN TO GET CIRC. MAX 1370 PSI. C/O 20' SCALE FROR RIH AND TAG SCALE AGAIN AT 7833'. C/O 10' SCALE FROM 7833' TO 7843'. FELL THE C/O 231' FILL FROM 8116' TO 8347' W/ 260 JTS IN. TAG OLD POBS. UNABLE TO MAKE COVERED. CIRC CLEAN. CONTROL TBG W/ 15 BBLS. RD PWR SWIVEL. LD 28-JTS. LUEOT AT 7488'. SWFN. PUMPED 195 BBLS TODAY. CUMM 256 BBLS. RECOVERED 230 2% DOWN TBG. DROP BALL. PUMP 17 BBLS 2% AND RELEASE POBS AT 1700 PSI. R SANDLINE TO EOT 7488'. GOOD. RD SANDLINE. RD FLOOR. ND BOP. NU WH. HOOK TREATMENT OF 10 GAL SOLOVENT, 1/2 BBLS WTR BUFFER, 440 GAL 31% HCL W/ INHIB, 5 GAL SCALE INHIB, DISPLACED W/ 30 BBLS 2% OUT EOT. SHUT WELL IN. RD OVER TO PRODUCTION. PUMPED 55 BBLS TODAY. TP 311 BBLS. TOT RECOVERED. | ORK ON HOLD DOWN PIN AND OH W/ 231-JTS 2-3/8" J-55 TBG.  L W/ BBLS 2%. MU 3-7/8" MILL, CONTROL TBG W/ 10 BBLS 2%. H W/ 3-7/8" MILL, POBS, AND AT 7731' W/ 240 JTS IN. RU PWR M 7731' TO 7751'. FELL THRU. RU. RIH AND TAG FILL AT 8116'. HOLE. BTM ZONE 8350-54' JB IN AND LAND HANGER W/ BBLS. 26 BBLS PUMP 8-BBLS U AND RUN 1.90" BROACH ON UP NALCO AND PUMP ACID IRON INHIB, 15 GAL CORROSION SU. RACK OUT EQUIP. TURN |
| NAME (PLEASE PRINT) SHEILA UPCHEGO  TITLE REGULATORY A  11/27/2007  | ANALYST  |
| SIGNATURE DATE TITZT72007  (This space for State use only)  |  |

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| DEPARTMENT OF NATURAL RESOURCES  | FOR  |
|--|--|
| DIVISION OF OIL, GAS AND MINING  | 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22798 |
| SUNDRY NOTICES AND REPORTS ON WELLS  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:            |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 7. UNIT or CA AGREEMENT NAME:                    |
| TYPE OF WELL OIL WELL GAS WELL OTHER   | 8. WELL NAME and NUMBER:<br>STATE 1022-320       |
| NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP  | 9. API NUMBER: 4304735315                        |
| . ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT 219 84078 PHONE NUMBER: (435) 781-7024   | 10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES   |
| LOCATION OF WELL   |  |
| FOOTAGES AT SURFACE: 629'FSL, 2037'FEL   | COUNTY: UINTAH                                   |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 32 10S 22E   | STATE: UTAH                                      |
| CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO   | RT, OR OTHER DATA                                |
| TYPE OF SUBMISSION TYPE OF ACTION  |  |
| NOTICE OF INTENT   | REPERFORATE CURRENT FORMATION                    |
| (Submit in Duplicate) ALTER CASING FRACTURE TREAT  | SIDETRACKTO REPAIR WELL                          |
| Approximate date work will start: CASING REPAIR NEW CONSTRUCTION   | TEMPORARILY ABANDON                              |
| CHANGE TO PREVIOUS PLANS OPERATOR CHANGE   | TUBING REPAIR                                    |
| CHANGE TUBING PLUG AND ABANDON   | VENT OR FLARE                                    |
| SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)   | WATER DISPOSAL                                   |
| Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)  | WATER SHUT-OFF                                   |
| COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE  | ✓ OTHER: RECOMPLETION                            |
| CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION   |  |
| DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume RECOMPLETION WAS PERFORMED ON THE SUBJECT WELL LOCATION. THE WEL   |  |
| BACK ON PRODUCTION ON 05/18/2006 AT 2:00 PM.   |  |
| LEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY   |  |
|  |  |
|  | *  |
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|  |  |
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|  |  |
|  | •  |
| ME (PLEASE PRIMT) STEILA UPCHEGO TITLE REGUALTORY A  | NALYST   |
| Theile halled  |  |
| DATE 5/23/2006   |  |
| space for State use only)  | RECEIVED   |

JAN 3 1 2008

## KERR McGEE OIL & GAS ONSHORE, LP 1368 South 1200 East Vernal, UT 84078 CHRONOLOGICAL HISTORY

## STATE 1022-32O

## RECOMPLETION

05/12/06

PROG: 1:00 P.M. HSM

ROAD RIG & EQUIP F/ NBU 921-25D TO LOC. MIRU. 400# FTP, 400# FCP BLEED # OFF.

NDWH. NUBOPE.

PROG: 5/10/06 7:00 A.M. HSM

500# SICP. BLEED # OFF. MIRU ONDEO CHEM. PMP 4 BBLS 15% HCL DN TBG. (PICKLE). DISPLACE TO EOT W/ 40 BBLS 2% KCL. PMP 160 BBLS 2% KCL DN CSG TO KILL WL. POOH STAND BACK TBG. L/D BHA. (TBG EXTREMLY CLEAN). NDBOPE. NU FRAC VLV'S. MIRU CUTTERS. P/U 4-1/2" BAK 10K CBP & RIH. SET CBP @ 4876'. POOH. MIRU B&C QUICK TST. FILL CSG W/ 75 BBLS 2% KCL. PSI TST CSG & FRAC VLV'S TO 7500# (HELD). RDMO B&C. RU CUTTERS. P/U 3-1/8" HSC PERF GUNS LOADED W/ 12 GM CHARGES. 4 SPF, 90 DEG PHSG & RIH. SHOOT 32 HOLES F/ 4475' -83'. POOH RDMO CUTTERS. PREP TO FRAC

PROG: 5/11/06 RIG ON STDBY

05/15/06

PROG: MIRU SCHLUMBERGER & CUTTERS WIRELING SERVICE. HSM. ALL STAGES WILL USE NALCO DVO-005 SCALE INHIBITOR (10 GPT IN FLUSH, 3 GPT IN PAD THRU' MID SAND) ALL PERFORATIONS WILL USE 3-3/8" GUNS (23 Gm CHG, 0.35" HOLE, 90 DEGREE PHASING, 42" PENE AND 4 SPF.) PRES TEST SURF LINES TO 8500 PSI (HELD).

STAGE 1: 8:00 AM. OPEN: 340#, BRK: 2604#, ISIP: 1070#, FG: 0.66. EST RATE: 20.3 BPM @ 2300#. FRAC STAGE AS PER DESIGN W/YF120ST+ GEL. START PROP NET @ 65,000 LBS SND (3 SX). TOT SND: 86,000 LBS, TOT FL: 756 BBL, ISIP: 2680#, FG: 0.99, NPI: 1610#. MR: 21.0 BPM, MP: 3112#, AR: 19.3 BPM, AP: 2417#.

STAGE 2: MU CWLS. PU 4.5" BAKER 8K CBP & 3-3/8" PERF GUN. RIH, SET CBP @4502', PU, ATTEMPT TO PERF: 4475-83', GUN WOULD NOT FIRE. POOH, REHEAD. RIH, SHOOT PERFS, 4 SPF, TOT OF 32 HOLES. POOH, LD WL TLS. MU D/S. OPEN: 200#, BRK: 2613#, ISIP: 930#. EST RATE: 20.4 BPM @ 2150#. FRAC STAGE AS PER DESIGN W/YF118ST+ GEL. START PROP NET @ 80,000 LBS SD (3 SX). TOT SD: 97,100 LBS. TOT FL: 775 BBL, ISIP: 2260#, FG: 0.94, NPI: 1330#. MR: 20.8 BPM, MP: 2605#, AR: 19.8 BPM, AP: 2108#. MU CWLS, PU BAKER 4.5" CBP, RIH, SET CBP @ 4413'. POOH, LD WL TLS. RDMO CWLS & SCHLUMBERGER. RD RIG FLR. ND FRAC VALVES, NU BOP. PU 3-7/8" ROCK BIT, FE POBS. RIH W/BIT, SUB & TBG. TAG KILL PLUG @ 4413'. POOH, LD 3 JTS TBG ON FLOAT. X-OVER EQUIP FROM TBG TO DRLG. PREP TO DRL OUT PLUGS & FOAM IN MORNING.

05/16/06

PROG: 7:00 A.M. HSM MIRU WEATHERFORD AIR FOAM UNIT. CONT TO RIH W/TBG TAG FILL @ 4403' (10' FILL). R/U DRL EQUIP, R/U PMP & LINES. BRK CONV CIRC W/

2% KCL. BEG TO DRL. C/O SAND TO KILL PLUG @ 4413'.

DRL UP 1ST CBP IN 15 MIN. (200# PSI INC). CONT TO RIH. TAG FILL @ 4472', (30' FILL). C/O TO 2ND CBP @ 4502'.

DRL UP 2ND CBP IN 15 MIN. (100# PSI INC). CONT TO RIH. TAG FILL @ 4846', (30' FILL). C/O TO 3RD CBP @ 4876'.

DRL UP 3RD CBP IN 8 MIN. WL WENT ON VACCUM. R/D DRL EQUIP. CONT TO RIH W/TBG. TAG FILL @ 7505'. R/U DRL EQUIP. BRK CONV CIRC W/ AIR FOAM UNIT (1 HR). & BEG TO DRL. C/O 153' SCALE. FELL FREE @ 7668'. R/D DRL EQUIP & CONT TO RIH. P/U TBG OFF TRAILER. TAG SCALE @ 8185', (195' SCALE) R/U DRL EQUIP & CONT TO DRL C/O TO PBTD @ 8380'. CIRC WL CLEAN FOR 30 MIN. POOH L/D 30 JTS TBG. LUBRICATE TBG HANGER INTO WL. LAND TBG W/EOT @ 7450'. NDBOP, NUWH. PMP 5 BBLS 2% KCL. DROP BALL. PMP OFF THE BIT SUB @ 2000#, (AIR FOAM UNIT). UNLOAD KILL FLUID. X-O FOAM WL DN CSG UP TBG TILL GOOD RETURNS. TURN OVER TO FLW BK CREW. RDMO WEATHERFORD.

SICP 750# FTP 50 OPEN CHOKE

PROG:WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1250#, TP: 750#, 20/64 CHK, 14 BWPH, 15 HRS, SD: TRACE, TTL BBLS FLWD:281 BBLS, TODAYS LTR: N/A BBLS, LOAD REC TODAY: 281 BBLS, REMAINING LTR: -281 BBLS, TOTAL LOAD REC TO DATE: 281 BBLS.

05/17/06

PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1325#, TP: 725#, 20/64 CHK, 10 BWPH, 15 HRS, SD: TRACE, TTL BBLS FLWD:240 BBLS, TODAYS LTR: -281 BBLS, LOAD REC TODAY: 240 BBLS, REMAINING LTR: -521 BBLS, TOTAL LOAD REC TO DATE: 521 BBLS.

05/23/06

ON SALES

05/21/06: 268 MCF, 2 BC, 445 BW, TP: 75#, CP: 1318#, 16/64 CHK, 24 HRS, LP: 62#.

# STATE OF UTAH

| SIMILO             | I O I AII       |
|--------------------|-----------------|
| DEPARTMENT OF NAT  | FURAL RESOURCES |
| DIVISION OF OIL, O | GAS AND MINING  |

**ENTITY ACTION FORM** 

| perator:         | ator: KERR McGEE OIL & GAS ONSHORE LP |                                     |                      |          |          | Operator Account Number: N 2995 |                |                                   |  |  |
|------------------|---------------------------------------|-------------------------------------|----------------------|----------|----------|---------------------------------|----------------|-----------------------------------|--|--|
| ddress:          | 1368 S                                | OUTH 1200 EAST                      |                      |          |          |                                 |                |                                   |  |  |
| <u> </u>         | city VE                               | RNAL                                |                      |          |          |                                 |                |                                   |  |  |
| <u> </u>         | state U                               | Т                                   |                      | Р        | hone Nu  | mber: _                         | (435) 781-7024 |                                   |  |  |
| Well 1           |                                       |                                     |                      |          |          |                                 |                |                                   |  |  |
| API Num          | PI Number Well Name                   |                                     |                      | QQ       | Sec      | Twp                             | Rng            | County                            |  |  |
| Variou           | s                                     | NBU REVISION                        |                      |          |          |                                 |                | UINTAH                            |  |  |
| Action Co        | ode                                   | Current Entity<br>Number            | New Entity<br>Number | S        | pud Dat  | te                              |                | tity Assignment<br>Effective Date |  |  |
| E                |                                       | Various                             | 2900                 |          | 3/13/201 | 2                               | ز              | 2/1/2012                          |  |  |
| Comments:        | MOVI                                  | E THE ATTACHED WE<br>12012. 72 W.C. | ELLS INTO THE NATI   | JRAL BUT | TES UN   | IT REVI                         | SION EF        | 731/3012                          |  |  |
| API Number       |                                       | Well                                | QQ                   | Sec      | Twp      | Rng                             | County         |                                   |  |  |
|                  |                                       |                                     |                      |          |          |                                 |                |                                   |  |  |
|                  |                                       |                                     |                      |          |          |                                 |                |                                   |  |  |
| Action Co        |                                       | Current Entity<br>Number            | New Entity<br>Number | s        | pud Dat  |                                 |                | tity Assignment<br>Effective Date |  |  |
| Action Co        | ode                                   |                                     |                      | S        | Spud Dat |                                 |                |                                   |  |  |
|                  | ode<br>:                              | Number                              |                      | QQ       | Spud Dat |                                 |                |                                   |  |  |
| Action Conments: | ode<br>:                              | Number                              | Number               | QQ       |          | Twp                             | Rng            | Effective Date                    |  |  |

**ACTION CODES:** 

A - Establish new entity for new well (single well only)

**B** - Add new well to existing entity (group or unit well)

C - Re-assign well from one existing entity to another existing entity

D - Re-assign well from one existing entity to a new entity

E - Other (Explain in 'comments' section)

**RECEIVED** 

**REGULATORY ANALYST** 

SHEILA WOPSOCK

Title

Signature

Name (Please-Print)

5/30/2012

Date

(5/2000)

MAY 3 1 2012

## Entity Action Form Attachment for wells moved into the Natural Buttes Unit Effective 02/01/2012.

| oria entity         |                         |                   |               |             |                           |  |  |
|---------------------|-------------------------|-------------------|---------------|-------------|---------------------------|--|--|
| API                 | Well Name               | QTR/QTR JSection  | TWNSHP        | RANGE       | Producing Intervals       |  |  |
| 4304737079          | FEDERAL <u>92</u> 0-251 | NESE 15431        | 25 9\$        | 20E         | WASATCH/MESAVERDE         |  |  |
| 4304737080          | FEDERAL 920-25H         | SENE 15761        | 25 9S         | 20E         | WASATCH/MESAVERDE         |  |  |
| 4304737081          | FEDERAL 920-25A         | NENE 15553        | 25 9S         | 20E         | WASATCH/MESAVERDE from MV |  |  |
| 4304739098          | STATE 1021-28M          | swsw /6499        | 28 10S        | 21E         | WASATCH TO WSMVD          |  |  |
| 4304737918          | FEDERAL 1021-26L        | NWSW 16390        | 26 10S        | 21E         | MESAVERDE TO WS 7M/D      |  |  |
| 4304737919          | FEDERAL 1021-26N        | SESW 16391        | 26 10S        | 21E         | WASATCH/MESAVERDE         |  |  |
| 4304737916          | FEDERAL 1021-250        | SWSE 14277        | 25 10S        | <u>21</u> E | WASATCH/MESAVERDE         |  |  |
| 4304739112          | STATE 1021-31M          | swsw 16454        | 31 105        | 21E         | WASATCH TO WSMVD          |  |  |
| 4304739127          | STATE 1021-32P          | SESE /6471        | 32 10S        | 21E         | WASATCH/MESAVERDE         |  |  |
| 4304739128          | STATE 1021-320          | SWSE 17513        | 32 10S        | _21E        | WASATCH/MESAVERDE         |  |  |
| 4304739131          | STATE 1021-32L          | NWSW 16902        | 32 10S        | 21E         | WASATCH/MESAVERDE         |  |  |
| 4304739133          | STATE 1021-32J          | NWSE 17529        | 32 10S        | 21E         | WASATCH/MESAVERDE         |  |  |
| 4304739134          | STATE 1021-321          | NESE 16905        | 32 10S        | 21E         | WSMVD                     |  |  |
| 4304739135          | STATE 1021-32H          | SENE 17528        | 32 10S        | 21E         | WASATCH/MESAVERDE         |  |  |
| 4304735714          | FEDERAL 1022-29H        | SENE /5/47        | 29 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304735715          | FEDERAL 1022-29F        | SENW 15162        | 29 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304735716          | FEDERAL 1022-29B        | NWNE 11/982       | 29 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304735737          | FEDERAL 1022-291        | NESE 15001        | 29 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304735738          | FEDERAL 1022-29D        | NWNW 15016        | 29 105        | 22E         | MESAVERDE TO WS TO VD     |  |  |
| 4304734862          | FEDERAL 31-10-22        | SESE 13879        | 31 10S        | 22E         | MESAVERDE TO WSTMVD       |  |  |
| 4304735173          | FEDERAL 1022-31D        | NWNW 14/32        | 31 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304736492          | FEDERAL 1022-31N        | SESW 14255        | '31 10S       | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304736493          | FEDERAL 1022-311        | NESE 15089        | 31 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304736494          | FEDERAL 1022-31G_       | SWNE 15075        | 31 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304736495          | FEDERAL 1022-31F_       | SENE 1523D        | 31 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304736574          | FEDERAL 1022-31C_       | NENW 15090        | 31 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304736575          | FEDERAL 1022-31J_       | NWSE 15214        | 31 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304736576          | FEDERAL 1022-31L        | NWSW 16276        | 31 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304734317          | STATE 1-32              | NESW 13419        | 32 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304734831          | STATE 2-32              | SESW 13842        | 32 10S        | 22E         | MESAVERDE TO WSMVD        |  |  |
| 4304734832          | STATE 3-32              | NWSW 13844        | 32 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304735095          | STATE 1022-32J          | NWSE 11+097       | 32 10S        | 22E         | WSMVD                     |  |  |
| 4304735096          | STATE 1022-32A          | NENE 13914        | 32 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304735186          | STATE 1022-32P          | SESE 14131        | 32 10S        | <b>22</b> E | MESAVERDE TO WSMVD        |  |  |
| 4304735315          | STATE 1022-320          | SWSE 14114        | 32 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304735647          | STATE 1022-32H          | SENE 14348        | 32 10S        | 22E         | MESAVERDE TO WSMVD        |  |  |
| 4304736413          | STATE 1021-360          | SWSE /5619        | 36 10S        | 21E         | WASATCH/MESAVERDE         |  |  |
| <b>¥</b> 4304738157 | WELL BELONGS TO         | QEP ENERGY CORP " | GH 8-20-8-21" | PERMIT NO   | T APPROVED                |  |  |
| 4304734839          | FEDERAL 1022-15F        | SENW 14618        | 15 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304736414          | STATE 1021-36J          | NWSE 15651        | 36 10S        | 21E         | WASATCH/MESAVERDE         |  |  |
| 4304738152          | STATE 1021-36L          | NWSW 16012        | 36 10S        | 21E         | WASATCH/MESAVERDE         |  |  |
| 4304735440          | FEDERAL 1022-15J        | NWSE 14617        | 15 10S        | 22E         | WASATCH/MESAVERDE         |  |  |
| 4304736415          | STATE 1021-36I          | NESE 15684        | 36 10S        | 21E         | wasatch/mesaverde         |  |  |
| 4304738845          | STATE 1021-36D          | NWNW 16455        | 36 10S        | 21E         | WASATCH/MESAVERDE         |  |  |

| 4304750096 FEDERAL 1022-27H       | SENE 17626 | 27 10S         | 22E | WASATCH/MESAVERDE           |
|-----------------------------------|------------|----------------|-----|-----------------------------|
| 4304736416 STATE 1021-36H         | SENE 15335 | 36 10S         | 21E | WASATCH/MESAVERDE           |
| 4304738846 STATE 1021-36E         | SWNW 16523 | 36 10S         | 21E | WASATCH/MESAVERDE           |
| 4304735676 FEDERAL 1022-28L       | NWSW 15110 | 28 10S         | 22E | WASATCH/MESAVERDE           |
| 4304736417 STATE 1021-36G         | SWNE 15291 | 36 10S         | 21E | WASATCH/MESAVERDE           |
| 4304738847 STATE 1021 <u>-36F</u> | SENW 16394 | ₹36 10S        | 21E | WASATCH/MESAVERDE           |
| 4304735713 FEDERAL 1022-28N       | SESW 15145 | 28 10S         | 22E | WASATCH/MESAVERDE           |
| 4304736418 STATE 1021-36B         | NWNE 14953 | 36 10S         | 21E | WASATCH/MESAVERDE           |
| 4304738848 STATE 1021-36N         | SESW 16359 | 36 10S         | 21E | WASATCH/MESAVERDE           |
| 4304735735 FEDERAL 1022-280       | SWSE 15285 | 28 10S         | 22E | WASATCH/MESAVERDE From MURD |
| 4304736419 STATE 1021-36A         | NENE 15035 | 36 10S         | 21E | WASATCH/MESAVERDE           |
| 4304738849 STATE 1021-36K         | NESW 16084 | 36 10S         | 21E | WASATCH/MESAVERDE           |
| 4304735736 FEDERAL 1022-28M       | swsw 15286 | 28 10S         | 22E | WASATCH/MESAVERDE           |
| 4304736420 STATE 1021-36P         | SESE 15372 | 36 10S         | 21E | WASATCH/MESAVERDE           |
| 4304738850 STATE 1021-36C         | NENW /6396 | 36 10S         | 21E | WASATCH/MESAVERDE           |
| 4304734861 FEDERAL 29-10-22       | SESE 14006 | 29 10S         | 22E | MESAVERDE TO WSMVD          |
| 4304735577 FEDERAL 1022-330       | SWSE 15080 | 33 10S         | 22E | WASATCH/MESAVERDE           |
| 4304735739 FEDERAL 1022-33E       | SWNW 15193 | 33 10S         | 22E | WASATCH/MESAVERDE           |
| 4304735740 FEDERAL 1022-33M       | swsw /5373 | 33 10S         | 22E | WASATCH/MESAVERDE           |
| 4304735741 FEDERAL 1022-33L       | NWSW /5511 | 33 10S         | 22E | WASATCH/MESAVERDE           |
| 4304735742 FEDERAL 1022-33G       | SWNE 15404 | 33 10S         | 22E | WASATCH/MESAVERDE From MURD |
| 4304735743 FEDERAL 1022-33C       | NENW 15405 | 33 10S         | 22E | WASATCH/MESAVERDE           |
| 4304735744 FEDERAL 1022-33A       | NENE /5539 | 33 10S         | 22E | WASATCH/MESAVERDE           |
| 4304737105 FEDERAL 1022-33D       | NWNW 16502 | 33 10S         | 22E | WASATCH/MESAVERDE           |
| 4304737106 FEDERAL 1022-33F       | SENW 16560 | 33 10S         | 22E | WASATCH/MESAVERDE From WSTC |
| 4304737107 FEDERAL 1022-33K       | NESW 16124 | 33 10S         | 22E | WASATCH/MESAVERDE           |
| 4304737109 FEDERAL 1022-33N       | SESW /6/26 | 33 10S         | 22E | WASATCH/MESAVERDE           |
| 4304737110 FEDERAL 1022-33B       | NWNE /6561 | 33 <b>1</b> 0S | 22E | WASATCH/MESAVERDE           |
| 4304735810 STATE 1021-36E         | SWNW 14395 | 36 10S         | 21E | WASATCH/MESAVERDE           |
|                                   |            |                |     |                             |

Sundry Number: 75604 API Well Number: 43047353150000

|  | FORM 9   |                                       |  |  |  |
|--|--|---------------------------------------|--|--|--|
| ı  | 5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22798                            |                                       |  |  |  |
| SUNDR  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:                                      |                                       |  |  |  |
| Do not use this form for procurrent bottom-hole depth, IFOR PERMIT TO DRILL form | 7.UNIT or CA AGREEMENT NAME:<br>NATURAL BUTTES                             |                                       |  |  |  |
| 1. TYPE OF WELL<br>Gas Well  | 8. WELL NAME and NUMBER:<br>STATE 1022-32O                                 |                                       |  |  |  |
| 2. NAME OF OPERATOR:<br>KERR-MCGEE OIL & GAS ON                                  | 9. API NUMBER:<br>43047353150000   |                                       |  |  |  |
| 3. ADDRESS OF OPERATOR:<br>P.O. Box 173779 1099 18tl                             | 9. FIELD and POOL or WILDCAT:<br>-6.41516TUBRAL BUTTES                     |                                       |  |  |  |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>0629 FSL 2037 FEL                 | COUNTY:<br>UINTAH  |                                       |  |  |  |
| QTR/QTR, SECTION, TOWNSH<br>Qtr/Qtr: SWSE Section: 3                             | STATE:<br>UTAH   |                                       |  |  |  |
| CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA      |  |                                       |  |  |  |
| TYPE OF SUBMISSION   |  |                                       |  |  |  |
| NOTICE OF INTENT Approximate date work will start:                               | ACIDIZE  | ALTER CASING                          | CASING REPAIR  |  |  |
|  | CHANGE TO PREVIOUS PLANS   | CHANGE TUBING                         | CHANGE WELL NAME   |  |  |
|  | CHANGE WELL STATUS   | COMMINGLE PRODUCING FORMATIONS        | CONVERT WELL TYPE  |  |  |
| SUBSEQUENT REPORT Date of Work Completion:                                       | DEEPEN   | FRACTURE TREAT                        | ☐ NEW CONSTRUCTION   |  |  |
| 10/20/2016   | OPERATOR CHANGE  | PLUG AND ABANDON                      | PLUG BACK  |  |  |
| SPUD REPORT Date of Spud:  | ✓ PRODUCTION START OR RESUME   | RECLAMATION OF WELL SITE              | RECOMPLETE DIFFERENT FORMATION   |  |  |
|  | REPERFORATE CURRENT FORMATION  | SIDETRACK TO REPAIR WELL              | TEMPORARY ABANDON  |  |  |
| DRILLING REPORT Report Date:   | TUBING REPAIR  | VENT OR FLARE                         | WATER DISPOSAL   |  |  |
|  | WATER SHUTOFF  | SI TA STATUS EXTENSION                | APD EXTENSION  |  |  |
|  | WILDCAT WELL DETERMINATION   | OTHER                                 | OTHER:   |  |  |
| 42 DESCRIPE PROPOSED OR  |  | all nestinent details including detac | <u>,                                      </u>   |  |  |
|  | completed operations. Clearly show -320 was returned to prod<br>Thank you. |                                       | Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 21, 2016 |  |  |
| NAME (PLEASE PRINT) Candice Barber   | PHONE NUME   | BER TITLE HSE Representative          |  |  |  |
| SIGNATURE  | 435 781-9749   | DATE                                  |  |  |  |
| N/A  |  | 10/25/2016                            |  |  |  |